SouthernLINC

i890 Phone

User's Guide

Dummy Page - To be discarded before printing

DECLARATION OF CONFORMITY

Per FCC CFR 47 Part 2 Section 2.1077(a)



Responsible Party Name: Motorola, Inc.
Address: 8000 West Sunrise Boulevard
Plantation, FL 33322 USA
Phone Number: 1 (800) 453-0920
Hereby declares that the product:
Product Name: i890
Model Number: H75XAH6JS5AN
FCC-ID: IHDT56KQ1
Conforms to the following regulations:
FCC Part 15, subpart B, section 15.107(a), 15.107(d) and section 15.109(a)

FCC Notice to Users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC-ID: IHDT56KQ1 on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

Class B Digital Device

As a personal computer peripheral, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19 (3).

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device. See RSS-GEN 7.1.5.

Motorola, Inc.
Consumer Advocacy Office
600 North US Highway 45
Libertyville, IL 60048
www.hellomoto.com

Note: Do not ship your phone to the above address. If you need to return your phone for repairs, replacement, or warranty service, please contact the Motorola Customer Support Center at:

1-800-453-0920 (United States)
1-877-483-2840 (TTY/TDD United States for hearing impaired)

Certain mobile phone features are dependent on the capabilities and settings of your service provider's network. Additionally, certain features may not be activated by your service provider, and/or the provider's network settings may limit the feature's functionality. Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in this user's guide are based upon the latest available information and are believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

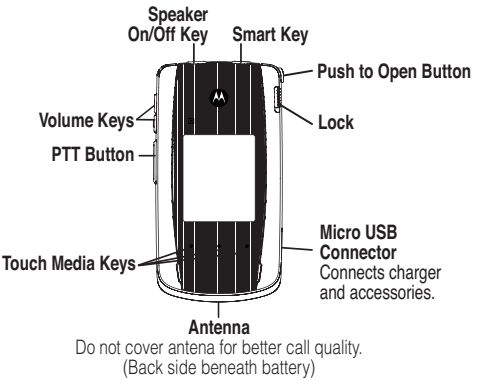
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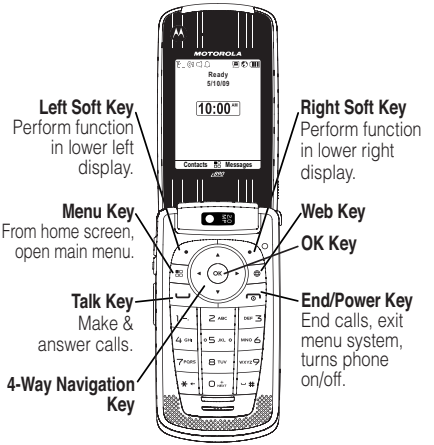
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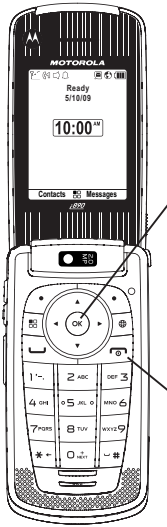
HELLOMOTO

Introducing your new Motorola i890 wireless phone. Here's a quick anatomy lesson.



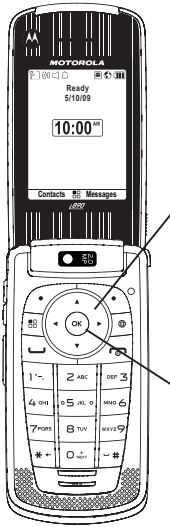


check it out



2 Customizable OK key that can be used to open the **Settings** screen

1 Press and hold the **Power Key** for a few seconds, or until the screen lights up, to turn on your phone.



3 Press the Navigation Key **up, down, left or right** () to highlight a menu feature.

4 Press the OK key to select.

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menu map

main menu

- **Recent Calls**
- **Contacts**
 - [New Contact]
- **Messages**
 - [Create Message]
 - Voice Mail
 - Inbox
 - Drafts
 - Outbox
 - Sent Items
 - Fax Mail
 - Net Alert
- **Web**
 - Net
- **Multimedia**
 - Downloads
 - Media Center
 - My Images
 - My Music
 - My Videos
 - Camera
 - Camcorder
 - Ring Tones
 - VoiceRecord
- **Push To Talk**
 - Call Alert
 - PTT Features
 - PTT Options
 - LINCaround
- **Games and Apps**
 - Buy More
 - Alarm Clock Plus
 - My Images
 - My Music
 - My Videos
 - Java System
 - Memory Card
- **Tools**
 - **My Info**
 - My Name
 - Line 1
 - Line 2
 - Private ID1
 - Private ID2
 - Group ID
 - Carrier IP
 - Work1
 - Work2
 - Home
 - Fax
 - IP1 Address
 - IP2 Address
 - Email
 - **Profiles**
 - [New Profile]
 - Standard
 - Car
 - Meeting
 - Office
 - Outdoors
 - Headset
 - PRVT Only
 - CNTCS Only
 - **Alarm Clock Plus**
 - **Bluetooth**
 - Audio Devices
 - Pair to Devices
 - Device History
 - Setup
 - Find Me
 - File Transfer Help
 - **GPS**
 - Position
 - Privacy
 - Interface
 - **Datebook**
 - [New Event]
 - **Call Timers**
 - Last Call
 - Phone Reset
 - Phone Lifetime
 - Prvt/Grp Reset
 - Prvt/Grp Lifetime
 - Kbytes Reset
 - **Memo**
- **Settings (see next page)**

This is the standard main menu layout. Your phone's menu may be a little different.

settings menu

Display/Info
- Wallpaper
 - [Buy More]
 - Internal
 - External
- Text Size
- Theme
- Backlight
 - Timer
 - Java Timer
 - Sensor
 - PTT Backlight
- Clock
 - Display
 - Time Format
 - Date Format
 - Year
- Menu View
 - Icon View
 - List View
 - Tab View
- Large Dialing
- Language

Phone Calls
- Set Line
- Any Key Ans
- Auto Redial
- Call Waiting
- Auto Ans
- Flip Activation
- Minute Beep
- Call Duration
- TTY
- Hearing Aid
- Notifications
- DTMF Dialing
- Call Forward
- Prepend

Personalize
- Reorder Menu
- Shortcuts
- Carousel
- Up Key
- Down Key
- Left Softkey
- Right Softkey
- Power Up

Volume
- Ringers/Alerts
- Speaker
- Earpiece
- Multimedia
- Keypad

Voice Playback
- Speak Text
- Speak Caller
- Voice
- Multimedia Volume

Memory Card
- Remove Card
- Store Media
- Format Card
- Help

Security
- Phone Lock
- Keypad Lock
- SIM PIN
- GPS PIN
- Change Passwords

Advanced
- Alert Timeout
- Call Completion
- Headset/Spkr
- Connectivity
- Reset Defaults
- Return to Home
- Transmitters
- Phone Only

Connections
- Bluetooth
- USB
 - Memory Card Access
 - Data Modem
 - Application Access
 - GPS NMEA
 - Help

use and care

To care for your Motorola phone, please keep it away from:



liquids of any kind

Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture. If it does get wet, don't try to accelerate drying with the use of an oven or dryer, as this may damage the phone.



extreme heat or cold

Avoid temperatures below 0°C/32°F or above 45°C/113°F.



microwaves

Don't try to dry your phone in a microwave oven.



dust and dirt

Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.



cleaning solutions

To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.



the ground

Don't drop your phone.

essentials

Caution: Before using the phone for the first time, read the Important Safety and Legal information included in the gray-edged pages at the back of this guide.

about this guide

This guide shows how to locate a menu feature as follows:

Find it: > > **Phone Calls**

This means that, from the home screen:

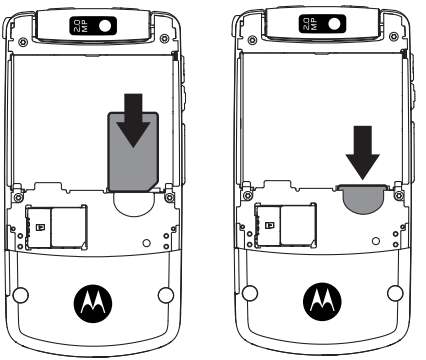
1 Press the *menu key* and then press the **Settings** menu option .

2 Press the *navigation keys* to scroll to **Phone Calls**, and press the *center key* OK to select it.

symbols	
	This means a feature is network or subscription dependent and may not be available in all areas, or might not be offered by your service provider. Contact customer service for more information.
	This means a feature requires an optional accessory.

SIM card

insert the SIM card



Warning: To avoid loss or damage, do not remove your SIM card from your phone unless absolutely necessary.

microSD card

Your handset may come with a microSD card, microSD card adapter, and microSD card reader[1].

A microSD card is removable flash memory you can use to store pictures, videos, and audio files.

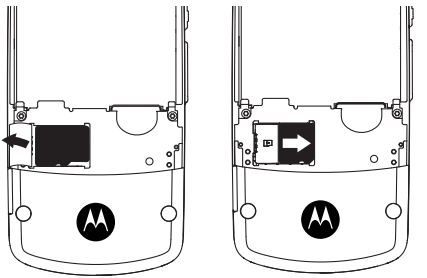
You can connect your phone using a Motorola data cable directly to your computer, access the microSD card loaded in the phone to save or delete music, images, videos, or audio files.

Find it: > > **Connections** > **USB**

1. Depending on your service provider, the memory card, memory card adapter, and memory card reader may not be included with your phone. Your handset can be used with a MicroSD memory card.

insert the microSD card

1 Remove the battery door, lift the rubber flap and slide the microSD card in place. Return the battery cover when you are done.



Note: The first time you insert a microSD card in your phone, you will see the following options: **[Do Nothing]**, **Go To Audio Player**, **Go To Camera**, and **Go To Media Center**. Select the option of your choice and continue.

remove the microSD card

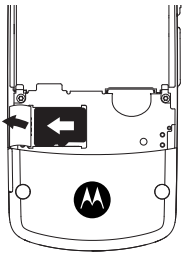
Warning: Do not remove the microSD card before selecting the **Remove Card** option under **Settings**. Removing the microSD card before selecting the **Remove Card** option could result in loss of data.

1 From the home screen press ⊞ > ⚙ > **Memory Card** > **Remove Card**.

2 Once the handset confirms it is safe to remove the micorSD card, press ⊙ under **OK**.

3 Remove the battery door.

4 Lift the rubber flap and with your fingernail, slide the memory card out of the slot.



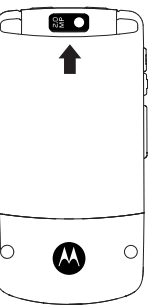
5 Close the memory card slot cover.

battery

Note: Please consult "Battery Use and Safety" on page 104 before using this product.

battery installation

1 Slide the battery door upwards until it is released from the phone.

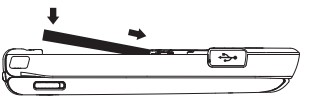


2 Remove the battery door.



Note: You may proceed to attach a lanyard (sold separately) on your phone.

3 Push the battery down until it snaps in place.



4 Replace the battery door and slide it down while pressing gently until you hear a click.

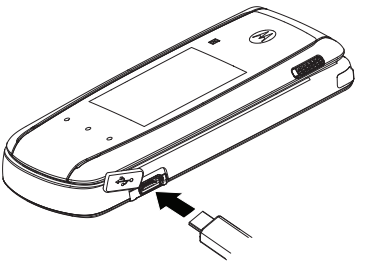


battery charging

New batteries are not fully charged.

charge using the charger

1 Pull out the connector cover, and insert the charger into the micro USB connector on your phone as shown.



battery indicators

	The battery is at approximately 100% to 90% capacity when the indicator is blue and displaying three bars.
	The battery is at approximately 65% capacity when the indicator is green and displaying two bars.
	The battery is at approximately 10% capacity when the indicator is yellow and displaying one bar.
	The battery is at approximately 5% capacity when the indicator is red and has a flashing red bar.
	The battery is charging.

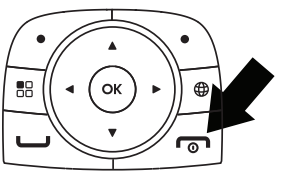
charge from your computer

You can partially charge your phone's battery by connecting a Motorola-approved USB cable from your phone's micro-USB port to a high power USB connector on a computer (not a low-power one, such as the USB connector on your keyboard or bus-powered USB hub). Typically, USB high-power connectors are located directly on your computer.

turn it on & off

To turn on your phone, press and hold ⏻ for a few seconds or until the display turns on. If prompted, enter your four-digit unlock code.

Note: If you press the ⏻ for more than four seconds, the handset will power "On" in **Transmitters Off** mode. See "transmitters" on page 39.



To turn off your phone, press and hold ⏻ for two seconds.

enable security

You must enable security the first time you power on your phone or within 10 days of first activation of your phone.

1 Press • under **Ok**.

2 You are prompted to enable security. Press • under **Yes**. A series of screens followed by the default home page displays.

3 Press ⏻ to return to the home screen.

make a phone call

Enter a phone number and press ⌴ or use a voice command. See "place a call using a voice name" on page 81.

To hang up press ⏻.

answer a phone call

1 If you want to answer the call on speaker phone, press the speaker key 🔊.

2 If you want to answer the call using the handset, press ⌴. To hang up press ⏻.

3 If you are using a Bluetooth headset, press the answer key on your headset. To hang up press the key again.

advanced calling

feature	
call waiting	To accept the second call and put the active call on hold press ⊙ under **Yes**. To accept the second call and end the active call press ⌣.
3-way call	Make or receive a phone call and press ⊞ > **3 Way**. Enter the second phone number, press ⌣ and ⊙ under **Join**. You cannot make any other calls during a three-way call, even if one party hangs up.
any key answer	To answer phone calls by pressing any key on the keypad press ⊞ > ⚙ > **Phone Calls** > **Any Key Ans** > **On**.

make a push to talk call

Your PTT ID is the number at which you receive one-to-one Push to Talk calls.

Talkgroup numbers are numbers through which you receive one-to-many group calls.

to make a push to talk call

1. Enter the PTT ID you want to call.
2. Press and hold the PTT button. Begin talking after your phone emits a chirping sound.
3. Release the PTT button to listen.

 To end the call press ☎.

Note: A Push to Talk call ends automatically if there is no activity on the call for a few seconds.

send call alerts

Sending a call alert discretely lets the recipient know that you want to talk to him or her on a Push to Talk call.

When you send a call alert, the recipient's handset displays your name and emits a series of beeps or vibrations.

to send a call alert

1. Enter the PTT ID you want to call as you would when making a Push to Talk call.
2. Press ⊡ under **Alert**.

When the message **Ready To Alert** appears on the display, press the PTT button until the message **Alert Successful** appears.

to send a call alert with flip closed

1. Press the Smart Key ⊡.
2. Use the external touch media keys and select Recent Calls.
3. Use the down volume button to select the person you wish to call.
4. Press the center external touch media keys.

When the message **Ready To Alert** appears on the display, press the PTT button until the message **Alert Successful** appears.

answer a push to talk call

1. When your phone emits a chirping sound or vibrates to indicate you are receiving a Push to Talk call, wait for the caller to finish speaking.

2 Press and hold the PTT button and begin talking after your phone emits a chirping sound.

3 Release the PTT button to listen.

To end the call press ☎.

answer a call alert

When you receive a call alert, you must:

option
Answer: Begin a Push to Talk call with the sender.
Queue: Store the call alert to the call alert queue.
Clear: Dismiss and delete the call alert.

You cannot receive phone calls or Push to Talk calls until you do.

to answer a call alert

1 Press the PTT button to start a Push to Talk call with the sender.

or

2 Queue the call alert by pressing ⊙ under **Queue**.

or

3 Clear the call alert by pressing ⊙ under **Clear**.

making a phone call while in a push to talk call

When you are in a Push to Talk call, you can make a phone call to the other participant if that person's mobile phone number is stored in **Contacts.**

1 While in a Push to Talk call press ⊙.

2 A confirmation screen will appear asking to **Start Call To:**.

3 Press ⊙ under **Yes** or press OK to begin the call.

call status and completion

This allows you the option of sending a message to a caller after declining an incoming call, PTT call or call alert.

Find it: ⊞ > ⚙ > **Advanced** > **Call Completion**

To setup a message for incoming calls or outgoing calls.

1 Press ⊞ > ⚙ > **Advanced** > **Call Completion** > **Incoming call** or **Outgoing calls.**

2 Select **Off, Ask First** or **Automatic.**

3 Select **Message** and create a message to be sent or press ⊙ under **QNotes** and select a predefine message.

4 Press OK and then press ⊙ **Back.**

To send a message after receiving incoming calls.

1 After declining an incoming call, PTT call or call alert, **Send Text Message To** will appear.

2 Press ⊙ under **Yes** to send the message or press ⊙ under **No** not to.

3 To edit a message before sending press ⊞ > **Edit**.

store a phone number or PTT ID

You can store a phone number or PTT ID in **Contacts**:

Find it: ⊞ > 👤 > **[New Contact]**

1 Enter a name for the new entry. Each entry's name can contain 20 characters.

2 Select a specific **Ring Tone**.

3 Select a type for the entry (**Mobile**, **Private1**, **Private2**, **Work1**, **Work2**, **Home**, **Email1**, **Email2**, **Fax**, **Pager**, **Talkgroup**, **IP** or **Other**). To store a PTT ID choose **Private1** or **Private2**.

4 Enter the number for the entry and press ⊙ under **Save** when done.

contacts

feature	
edit/delete contact entry	Press ⊙ under **Contacts**. Select a contact and press ⊞ > **Edit**. Change the desired content and press OK. Press ⊙ under **Save**.
set ringer ID	Press ⊙ under **Contacts.** Select a contact and press ⊞ > **Edit** > **[Ring Tone/Pict]**. Select **Ringer** and chose your desired ring tone. Press ⊙ under **Back**.
set picture ID	Press ⊙ under **Contacts.** Select a contact and press ⊞ > **Edit** > **[Ring Tone/Pict]**. Select **Picture** and choose your desired picture and press OK. Press ⊙ under **Back** > ⊙ under **Save**.

call a stored phone number or PTT ID

Find it: ⊞ > .

1 Scroll to the **Contacts** entry.

2 If the Contacts entry contains more than one number, scroll left or right until the type of the number you want to call is displayed (**Mobile**, **Private1**, **Private2**, **Work1**, **Work2**, **Home**, etc.).

3 If you chose a phone number, press ⊔ to call the entry, or if you chose a PTT ID or Talkgroup ID, press and hold the PTT button to call the number.

Finding your phone number and PTT ID

Find it: ⊞ > 🔧 > **My Info**.

messaging

Your phone has MOSMS messaging.

create and send messages

1 From the home screen press ⊙ under **Messages** > **[Create Message]**.

2 Enter the phone number of the person you want to send the message to and press OK or press ⊙ under **Search**. Select **Contacts** or **Recent Calls** to find the number you want.

3 Select **Message**: and enter the text of the message or to use a quick note press ⊙ under **QNotes** and scroll to the quick note you want then press OK.

4 If you want to send the message, press ⊙ under **Send** or to delete the message without sending it, press ⊙ under **Cancel**.

quick notes

When you are filling in the **Message** field, you can add ready-made words or short phrases called Quick Notes. After you add these words or phrases, you can edit them as you would any other text.

1 While you are creating a message, scroll to or select **Message**.

2 Press ⊙ under **QNotes**.

3 Select the quick note you want to insert into the message.

4 Press ⊙ under **Send**.

use drafts

When you save a message as a draft, it is saved in the drafts folder.

Find it: Press ⊞ > ✉ > **Drafts**.

1 Select the draft you want to edit.

2 To edit the fields you want to change, follow step 2 through step 4 in "create and send messages" above.

delete a draft

When you send a draft, it is removed from the Drafts folder.

1 To delete a message in the Drafts folder without sending it, scroll to the message you want to delete and press ⊙ under **Delete**.

2 Press ⊙ under **Yes** to confirm.

inbox

Find it: Press ⊞ > ✉ > **Inbox**.

receive a message

1 To view the message press ⊙ under **Read**.

2 To dismiss the message notification press ⊙ under **Exit**.

While reading a text and numeric message that contains a phone number, you can press ⌨ to call that number.

threaded inbox

The threaded Inbox allows you to organize your messages by sender.

1 From the Message Center, Press ⊞ > **Threading**, and select from **None** or **Sender**.

read from the message center

1 From the home screen press ⊙ under **Messags** > **Inbox**.

2 Select the message you want to read.

3 To reply to the message, press ⊙ under **Reply**.

delete unread messages

1 Scroll to the message you want to delete.

2 Press ⊙ under **Delete** and ⊙ under **Yes** to confirm.

forward a message

1 Press ⊞ > **Forward**.

2 Create and send your message. Embedded objects and attachments are included when you forward a message.

lock and unlock messages

Locked messages cannot be deleted until you unlock them.

1 View the message you want to lock or unlock.

2 Press ⊞ > **Lock Message** or **Unlock Message**.

call a number in a message

If a message you receive contains a phone number, PTT ID, or Talkgroup ID in the **From** field, the **To** field, the **Cc** field, the **Subject** field, or the body of the message, you can call or send a call alert to that number.

make a group call



1 View the message.

2 Highlight the Talkgroup ID you want to call.

3 Press ⊞.

4 Select **Talkgroup**.

5 Push the PTT button.

store message information to contacts

If a message you receive contains a phone number, PTT ID, Talkgroup ID, or an email address in the **From** field, the **To** field, the **Cc** field, the **Subject** field, or the body of the message, you can store this information to **Contacts**.

1 View the message.

2 Highlight the number or email address you want to save.

3 Press ⊞ > **Save Number** or **Save Email**.

4 To store the number or email address as a new entry, select **[New Contact]**.

To store the number or email address to an existing entry, select the entry.

5 With the Contacts type field highlighted, press ⊙ left or right to display the Contacts type you want to assign the number or email address.

6 Press ⊡ under **Save**.

reply to a message

To reply to a message:

1 View the message you want to reply to.

2 To reply to the sender only, press ⊡ under **Reply** or press ⊡ under **Reply All** to reply to all recipients.

3 A list of short phrases appears. Select any of these phrases to add it to your messages or select **[Create Reply]**.

4 Edit any message fields you want to change.

5 Press ⊙ under **Send**.

use auto replies

If the message you are replying to was sent with auto replies, it contains a numbered list of possible replies for you to send. Press the number of the reply you want to send. The reply is sent immediately without further action.

go to a website

If a message contains one or more website URLs, you can go to that website.

1 View the message.

2 Highlight the website URL you want to go to.

3 Press ⊞ > **Go To Website.**

Note: The entire URL must appear in the message to allow you to open the website.

outbox

The Outbox holds all unsent messages.

Find it: Press ⊞ > ✉ > **Outbox**.

resending failed messages from the outbox

1 Scroll to the message you want to resend or press the number of the message you want to resend.

2 Press ⊙ under **Resend**.

cancel an unsent message

1 Highlight the message you want to cancel.

2 Press ⊞.

3 Press ⊙ under **Cancel**.

sent items

The Sent Items box holds sent messages.

forward items from sent items

1 Scroll to the message you want to forward.

2 Press ⊞ > **Forward**.

3 Make edits if you wish, select the recipient and press ⊙ under **Send**.

setting up read receipts

While creating a message you can set up read receipts. Press ⊞ > **Reports** to view the options.

Off: read receipts will not be generated.
On Delivery: read receipts will be generated when a message is delivered.

check delivery status

If a message was successfully sent and you set the message to confirm delivery, you can check the delivery status:

1 Scroll to the message you want to view.

2 Press ⊞ > **Delivery Status**.

delete sent messages

1 Scroll to the message you want to delete.

2 Press ⊙ under **Delete**.

3 Press ⊙ under **Yes** to confirm.

delete all unlocked sent messages

1 Press ⊞ > **Delete All**.

2 Press ⊙ under **Yes** to confirm.

customize messaging

Find it: ⊞ > ✉ > ⊞ > **Setup**.

This option is available from many context-sensitive menus.

The following options become available:

option
Signature: Allows you to create a signature that is automatically inserted at the end of your messages. Signatures can be edited before sending the message.
Quick Notes: Lets you create new Quick Notes and edit or delete Quick Notes you created.
Cleanup: Controls how long messages remain in the **Inbox** and **Sent Items** before being deleted.
Report Default: Allows you to be automatically notified when your message is delivered, when read or both.
Memory Size: Shows a report on used and free memory in your phone.
Text Message Setup: opens a submenu to set text messaging options. **Note:** Available with MOSMS only.

manage memory

Your text Inbox and Sent Items hold 200 messages each. The Outbox, and Drafts folder hold up to 30 messages each. If they are full, you cannot receive messages, send messages, or save drafts until you delete some items.

Note: Media files and Java applications can affect the available amount of memory on your phone. If you run out of memory and your Inbox, Sent Items, Outbox, and Drafts folder are empty, delete unwanted media files and Java applications to free up memory.

To view the amount of memory available in your text inbox:

Find it: Press MENU > envelope > MENU > **Setup** > **Memory Size**.

text message setup

Find it: MENU > envelope > MENU > **Setup** > **Text Msg setup**.

This option is available from many context-sensitive menus when you are using MOSMS.

The following options become available:

option
Srvc Cntr No: Allows you to enter a service center number.
Expire After: Allows you to set the number of days before a message expires.

new quick notes

create quick notes

1. From the Setup menu, select **Quick Notes**.
2. Select **[New Quicknote]**.
3. Enter text from the keypad and press OK.

edit quick notes

1. From the Setup menu, select **Quick Notes**.
2. Select the quick note you want to edit.
3. Edit the text and press OK.

delete quick notes

1 From the Setup menu, select **Quick Notes**.

2 Scroll to the quick note you want to delete.

3 Press ⊙ under **Delete**.

4 Press ⊙ under **Yes** to confirm.

delete all quick notes

1 From the Setup menu, select **Quick Notes**.

2 Press ⊞ > **Delete All**.

3 Press ⊙ under **Yes** to confirm.

cleanup options

The cleanup option controls how long messages remain in the Inbox and Sent Items before they are deleted. You set the cleanup option for the Inbox and Sent Items separately.

The clean up option deletes only read, unlocked messages and sent messages.

Find it: ⊞ > ✉ > ⊞ > **Setup** > **Cleanup.**

1 Select **Inbox** or **Sent Items**.

2 Choose a clean up option from the following list:

option
Off: Messages are never automatically deleted.
5 Messages: If you have more than 5 messages, messages are deleted in the order they were received, starting with the oldest, until 5 are left.
10 Messages: If you have more than 10 messages, messages are deleted in the order they were received, starting with the oldest, until 10 are left.
1 Day: Messages are deleted if they are older than 1 day.

option
3 Days: Messages are deleted if they are older than 3 days. With these options, messages are deleted when you exit the message center after setting the option.
FirstIn FirstOut: Messages are deleted as necessary on a FirstIn FirstOut basis.
Custom: Lets you create a clean-up option of up to 199 messages or 99 days for the Inbox and Sent Items.

3 Press ⊙ under **Yes** to automatically delete messages now or press ⊙ under **No** to delete messages later.

delete all messages

To delete all read, unlocked messages from the Inbox, all messages in the Drafts folder, all successfully sent messages in Sent Items, or unsent messages in the Outbox:

Find it: ⊞ > ✉.

1 Select **Inbox**, **Drafts**, **Sent Items**, or **Outbox**.

2 Press ⊞ > **Delete All**.

3 Press ⊙ under **Yes** to confirm.

delete a thread

To delete a thread from the Inbox:

1 From the Inbox, select a thread.

2 Press ⊞ > **Delete Thread**.

3 Press ⊙ under **Yes** to confirm.

message notifications

When you receive a message, your phone notifies you with text on the display, a notification tone or vibration.

You can access the message or dismiss the notification.

If you dismiss the notification, the message is not deleted. It can be accessed through the message center.

If you are not on a phone call when you receive a message, your phone sounds a notification tone every 30 seconds until you access the message or dismiss the alert.

If you are on a call when you receive a message, your phone may sound a notification tone during the call or after you end the call, depending on how you set your notification options.

set notification options

To control whether your phone sounds message notification tones while you are on a phone call:

Find it: MENU > SETTINGS > **Phone Calls**> **Notifications**.

Select from the following options:

option
Receive All: Tones sound during calls for all types of messages.
Message Mail Only: Tones sound during calls for mail messages; tones for all other types of messages are held until you end calls.
Delay All: Tones for all types of messages are held until you end calls. **Note:** **Delay All** is the default setting.

To set notification options during a call press MENU > **Call Setup** > **Notifications**.

using your handset as a modem



Your phone can be connected to a computer via USB for use as a modem. For more specific information on how to setup your phone for use with your computer please visit **www.motorola.com/support** and look under the FAQ section.

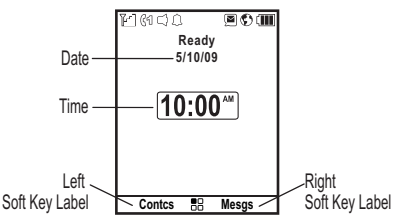
basics

See page 1 for a basic phone diagram.

display

The home screen shows when you turn on the phone. To dial a number from the home screen, press number keys and press OK.

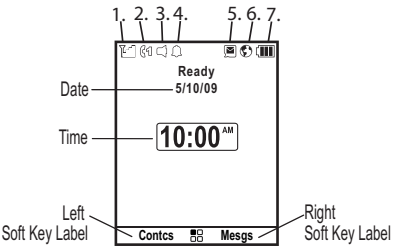
Note: Your home screen may look different.



Soft key labels show the current soft key functions. For soft key locations, see page 1.

status indicators

Status indicators are shown at the top of the home screen:



1 **Signal Strength Indicator:** Vertical bars show the strength of the network connection. You can't make or receive calls when shows.

2 **Active Phone Line:** ① indicates phone line 1 is ready to make calls; ② indicates phone line 2 is ready to make calls.

3 **Speaker On/Off:** Sounds associated with Push to Talk calls and group calls can be set to come through the earpiece rather than through the speaker.

4 **Ringer Vibe On/Off:** Your phone is set to ring or not to ring.

5 **Message Indicator:** Shows when you receive a text message. 

6 **Packet Data:** Your handset is ready to transfer packet data or is transferring packet data when it shows a blinking arrow.

7 **Battery Charge Indicator:** A fuller battery indicates a greater charge. Recharge the battery when your phone shows **Low Battery**.

main menu

All your phone's features can be accessed through the main menu. You can set the main menu to appear as **List View**, **Tab View** or **Icon View**.

Find it: MENU > ⚙ > **Display/Info** > **Menu View**.

carousel menu

The Carousel Menu allows you to access up to nine applications from your phone's idle screen.

accessing an application

1 Using the navigation key, scroll left or right until you highlight the desired application.

2 Press OK to launch the application.

Note: Availability of the Carousel Menu is dependent on your service provider.

auto hide

1 Press ⊞ > ⚙ > **Personalize** > **Carousel** > **Auto Hide**.

2 Select from **Always On**, **2 seconds**, **4 seconds**, or **8 seconds**.

Note: When **Auto Hide** is set to **Always On**, the Carousel Menu will always be visible on the idle screen.

assigning applications

1 Press ⊞ > ⚙ > **Personalize** > **Carousel**.

2 Highlight the position on the Carousel Menu you would like the application to occupy and press OK.

3 Highlight an application and press OK to select it.

text entry

Your phone provides convenient ways to enter words, letters, punctuation, and numbers whenever you are prompted to enter text (for example, when adding a Contacts entry or when using Text Messaging).

change the character input mode

1 When you see a screen where you can enter text, press ⊞ to change the character input mode.

2 Select one of the following options:

entry method	
Alpha	Press a key several times for different characters.
Word	Enter words using a predictive text entering system that lets you enter a word with fewer keypresses.

entry method	
Symbols	Enter symbols.
Numeric	Enter numbers by pressing the numbers on the keypad.
Text Input Settings	Selects the desired entry languages and Word Prediction features.

Tip: When entering text, press # to change letter capitalization (**Abc** > **ABC** > **abc**).

word method

The Word text input method lets you enter text into your phone by pressing keys just once per letter.

The Word text input method combines the groups of letters found on each phone key with a fast-access dictionary of words, and recognizes what you want to text as you type. It first offers the most commonly-used word for the key sequence you enter and lets you access other choices with one or more presses of the 0 key.

enter a word using "word" method character input

1. Select the **Word** character input method.
2. Press the corresponding keys once per letter to enter a word (for example, to enter the word **Bill**, press 2 4 5 5). (If you make a mistake, press * to erase a single character. Press and hold * to delete an entire entry.)
3. To accept a word and insert a space, press #.

 To accept a word completion (such as Billion when you entered Bill), press ⊙ right.

If you get a word you don't want, you can press the 0 key to see more word choices and pick the one you want.

alpha method

To enter characters by tapping the keypad:

1. Select the **Alpha** method.
2. Press the corresponding keys repeatedly until the desired letter appears. (For example, to enter the word **Bill**, press 2 twice, 4 three times, 5 three times, and 5 three times again. If you make a mistake, press **Delete** to erase a single character. Press and hold **Delete** to erase an entire word.)

By default, the first letter of an entry is capitalized and the following letters are lowercased. After a character is entered, the cursor automatically advances to the next space after two seconds or when you enter a character on a different key.

Characters scroll in the following order:

characters	
1	Space . 1 ? ! , @ & : ; " - () ' ¿ ¡ % £ $ ¥
2	A B C 2 Á Ã Â À Ç
3	D E F 3 É Ê È
4	G H I 4 Í Ì
5	J K L 5
6	M N ñ O 6 Ó Õ Ô Ò
7	P Q R S 7 ß
8	T U V 8 Ú Ü Û Ù
9	W X Y Z 9
0	+ - 0 * / \ [] = > < # §
#	Space / Shift
*	Back

When entering text, press and hold # to switch between lowercase and uppercase

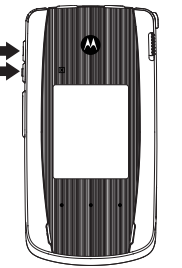
letters. The icons in the upper left-hand corner of the screen show the character type.

character type	
a• or a	Lowercase
A• or A	Uppercase
A↑ or A	Shift Lock
123	Numerical
@?!	Symbols

volume

Press the volume keys up or down to:

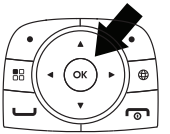
- turn off an incoming call alert
- change the earpiece volume during calls
- change the ringer volume from the home screen



Tip: You can quickly set your ringer to **Vibrate All** by holding the down volume key in the home screen.

navigation key

Press the *navigation key* up, down, left, or right to scroll to items in the display. When you highlight the desired item, press OK to select it.



handsfree speaker

You can use your phone's handsfree speaker to make calls without holding the phone to your ear.

During a call, press ⊙ under **Speaker** to turn the handsfree speaker On.

The handsfree speaker stays on until you press ⊙ under **Speaker** again.

transmitters

Consult airline staff about the use of the *Transmitters Off* feature during flight. Turn off your phone whenever instructed to do so by airline staff.

Transmitters Off turns off your phone's calling and Bluetooth features in situations where wireless phone use is prohibited, but you can use the phone's other non-calling features when Transmitters is turned Off.

Find it: ⊞ > 🔧 > **Advanced** > **Transmitters** > **Off**.

use GPS with map software

Your phone can be connected to a PC, laptop, or PDA via Bluetooth and USB for use as a GPS receiver. For more specific information on how to setup your phone for use with your

computer please visit **www.motorola.com/support** and look under the FAQ section.

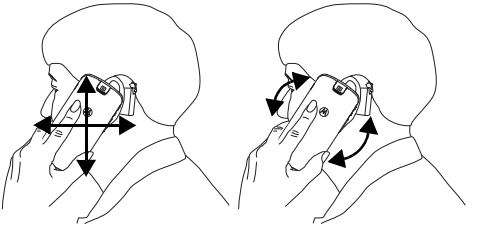
features for the hearing impaired

using your phone with a hearing aid

For best results use the following optimization procedures and handset setting. They generally apply as well for users with cochlear implants:

optimize your handset position and orientation

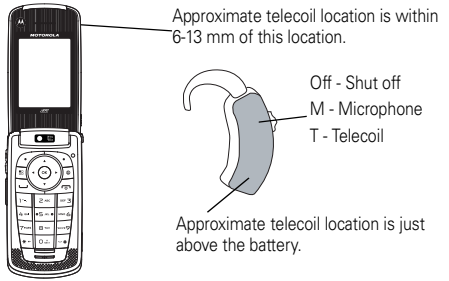
While in a phone call slide your phone up and down, then left and right until best microphone coupling is obtained. You also may need to adjust your hearing aid (HA) volume setting.



If your HA has a telecoil, activate its switch, then also rotate the handset as illustrated to align the telecoils.

Note: Some automatically switched hearing aids may need an auxiliary switching magnet.

If you are unsure whether your HA is telecoil equipped or needs an auxiliary magnet, please refer to your HA user guide or contact a hearing aid professional or supplier.



choose your hearing aid setting

Find it: > > **Phone Calls** > **Hearing Aid**.

1 Set this option to **Microphone**. Microphone coupling is now optimized.

or

2 Set this option to **Telecoil**. Handset meets US federal requirements for telecoil coupling sound or set this option to **Off** (factory default). This is the setting for non HA users.

TTY

feature	
turn On TTY feature	Press > > **Phone Calls** > **TTY** > **Use TTY** > **On**.
choose TTY mode	Press > > **Phone Calls** > **TTY** > **Type**. Select from **TTY**, **VCO** or **HCO**.
change the TTY baud rate	Press > > **Phone Calls** > **TTY** > **Baud**. Select **45.45** or **50.00**.
change TTY mode during a call	While in the TTY call, press > **In Call Setup** > **TTY** > **Type**. Select from **TTY**, **VCO** or **HCO**.

Note: The TTY device must be connected to the phone through the micro-USB port. A 2.5 mm to micro USB adapter is required to support TTY.

security features

feature	
phone lock	To lock the phone press MENU > > Security > Phone Lock > Lock Now or Auto Lock.
keypad lock	To lock the keypad press MENU > *.
button lock	lock all external buttons.
enable SIM PIN	Press MENU > > Security > SIM PIN > On.
enable GPS PIN	**Note:** When you receive your phone, your GPS PIN is 0000. To change your GPS PIN press MENU > > Security > Change Passwords > GPS PIN. Enter the current GPS PIN and enter the new four to eight digit GPS PIN. Re-enter the new four- to eight-digit GPS PIN to confirm.
change SIM PIN	Press MENU > > Security > Change Passwords > SIM PIN.

Note: You can make emergency calls on a locked phone (see page 81).

lock and unlock keypad

When your phone is closed and on the home screen, your keypad locks to prevent accidental key presses.

To lock your phone's keypad, press ⊞ *.

lock and unlock external buttons

To lock the external buttons on your phone, slide the lock switch up to the locked position to reveal the red indicator beneath it.

To unlock the external buttons, slide the lock switch down to the unlocked position to reveal the green indicator above it.

multimedia

Your phone comes with several multimedia applications to let you access pictures, videos, and audio files stored in your phone's memory or in the Audio, Music, Podcast, Image and Video folders on a memory card inserted in your phone's memory card slot:

- **Media Center** is a central repository to view all supported multimedia files on your device or your memory card.

 Note: The Media Center cannot read the Music and Podcast folder from the SD card.

- **My Music** provides an enhanced music player for music and podcast files.
- **My Images** provides a slide show, image browser and image editor.
- **My Videos** plays video files on the display.
- **Camera** lets you take still pictures.
- **Camcorder** lets you take short movies.
- **Ringtones** lets you purchase and preview ringtones for your phone.
- **VoiceRecord** lets you record audio notes to yourself.

In addition, the following audio files can be accessed through the media center:

- VoiceRecords
- Musical ring tones in the list of ring tones

- Audio files downloaded to your phone

Because the memory card inserted in your phone may contain files saved to it using a device other than your phone, not all types of pictures, videos, and audio files on the memory card may be accessed through your phone's media center.

Items in the media center can be sent with Bluetooth. See "Bluetooth®" on page 74.

Pictures in the media center can be sent in Push to Talk calls using Send via PTT. See "PTT features" on page 65.

Media files supported by the Media Center include:

Format	Bit Rate / Info	Sampling Rate
AAC (MPEG4 AAC-LC) .aac*, .3gp, .m4a, .3ga, .mp4	Up to 320kbps	48 kHz
AAC+ .aac*, m4a, .3ga, .mp4	Up to 128 kbps (16 to 128 kbps)	Max: 48 kHz
AAC+ Enhanced .aac*, .m4a, .3ga, .mp4	Up to 320 kbps (16 to 320 kbps)	Up to 48 kHz
AMR-NB .amr, .3gp, .3ga, .mp4	4.75 kbps – 12.20 kbps (supports all 3GPP specified rates)	8 kHz

Format	Bit Rate / Info	Sampling Rate
AMR-WB .awb, .3ga, .3gp	6.6 kbps - 23.85 Kbps (supports all 3GPP specified rates)	16 kHz
iMelody .imy	1 – 3.5 kHz Monophonic	N/A
MIDI XMF .xmf, .mmf, .xmf0, .xmf1, .mxmf	64 channels	N/A
MIDI Stand .mid, .midi, .smf	64 channels	N/A
MP3 .mp3*, .mpga*	Up to 320kbps	Up to 48 kHz

Format	Bit Rate / Info	Sampling Rate
PCM 16-bit Linear .wav, .au	Up to 1536 kbps	Up to 48 kHz (8, 11.05, 12, 16, 22, 24, 3, 44, 48 kHz)
PCM 8-bit Linear .wav, .au	Up to 1536kbps	Up to 48 kHz
PCM 8-bit A-law .wav, .au	Up to 704 kbps	Up to 48 kHz
PCM 8-bit mu-law .wav, .au	Up to 704 kbps	Up to 44 kHz (8, 11.05, 12, 16, 22, 44 kHz)
Real Audio LBR (Cook) .rm, .ra, ram	Up to 96 kbps	Up to 44.1 kHz (8, 11, 22, 44 kHz)

Format	Bit Rate / Info	Sampling Rate
Real Audio Sipro (ACELP®.net) .rm, .ra, ram	5 kbps (fixed rate) 8.5/6.5 kbps (dual rate) 16 kpbs (wide band)	8 kHz 8 kHz 16 kHz
Real Audio 10 .rm, .ra, ram	Up to 192 kbps	Up to 48 kHz (8, 11, 12, 16, 22.05, 24, 32, 44.1, 48 kHz)
WMA v9 L2 (also WMA v3, v7, v8) .wma*	Up to 320 kbps	48 kHz

(*) These formats support album art and lyrics.

Supported video file formats include:

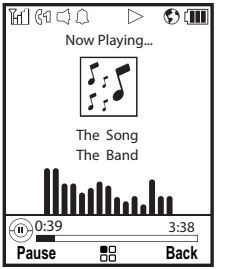
Format	Resolution / Bit and Frame Rate	Extension
MPEG4 + AMR-NB **MPEG4 + AMR-WB** **MPEG4 + AAC / AAC+ /Enhanced AAC+**	352 x 288 and 320 x 240 (up to 256 kbps); 176 x 144 and 128 x 96 (up to 128 kbps); up to 30 fps	.mp4, .3gp
H.263 + AMR-NB **H.263 + AMR-WB** **H.263 + AAC / AAC+ /Enhanced AAC+**	352 x 288 (up to 256 kbps); 176 x 144 and 128 x 96 (up to 64 kbps); 15 fps	.3gp
Real Video G2 / 8 / 9	Up to 320 kbps, 320 x 240, 15 fps	.rm, .rmvb

Format	Resolution / Bit and Frame Rate	Extension
H.264	Up to 320 kbps, 320 x 240, 15 fps	.mp4, .3gp
WMV8 / WMV 9	Up to 384 kbps, 320 x 240, 24 fps	.wmv, .asf

my music

Your handset includes a music player that you can use to play music files stored in the phone memory and the MUSIC/AUDIO/ PODCAST directories on the memory card inserted in your phone.

The music player will display the name of the song playing and the artist.



The music player groups the music files into folders and lists. When you select a music file to play, the music player plays this file, then plays the other music files grouped with it.

The music player also plays podcasts you download to your computer and then save on the Podcast directory on your phone's memory card. You can mark highlights within a podcast file to help you find the parts you most want to listen to.

understanding the memory card folder structure

When you first insert the memory card into your phone, five folders are created: **Audio**, **Image**, **Music**, **Podcast**, and **Video**. In order to view files stored on the memory card, you must store the given file in its corresponding format folder: audio files such as ring tones, and voice recordings to the **Audio** folder, pictures to the **Image** folder, music files such as songs to the **Music** folder, Podcasts to the **Podcast** folder and videos to the **Video** folder.

filename rules

When naming files stored on the memory card, the following rules apply:

- The filename can contain UTF8 characters, including ASCII, however only supported characters will be displayed.
- The filename can be up to 255 characters long, including the file extension, however only the first 32 characters will be displayed.

Warning: If a music file name is longer than 255 characters, including the file format (.MP3), the song will not be visible on the player and therefore can not be played. This can be corrected by renaming the file and replacing it on the card.

play music files

Find it: ⊞ > 🎵 > **My Music.**

1 Scroll to choose how you want your music played (Songs, Playlists, Albums, etc.).

Tip: The Songs folder contains all the music files on the memory card in a single list.

2 To play the first music file in the folder, press ⊙ under **Play**. (If the selected folder

contains subfolders, this plays the first music file in the first of the subfolders.)

Press OK to view the folder's contents. Scroll to a music file and press • under **Play** to play the first music file in it.

Any time you are viewing a list of folders with the music player, you can scroll to a folder and press • under **Play** to start playing the contents of that folder or press OK to view the contents of the folder.

To stop viewing a folder and return to the folder or list that contains it, press • under **Back**.

play music while loading files

The first time the music player finds music files on your memory card, it loads and organizes these files. This may take a long time for a large number of files.

To play music while files are loading:

Find it: ⊞ > 🔔 > **My Music**.

1. Scroll through songs and folders while loading is going on the background.
2. Scroll to a music file or folder and press • under **Play** or OK.

The following options become available through the navigation panel:

option
Pause and Resume: Press • under **Pause** or OK to pause, and press • under **Play** or OK to resume playing paused music files.
Skip to Next or Previous: Press and release ⊙ right or left to skip to the next or previous music file.
Fast Forward and Rewind: Press and hold ⊙ right or left for 2 seconds to fast forward or to rewind.

set up the music player

Find it: ⊞ > 🎵 > **My Music** > ⊞ > **Setup**

The music player can be set up with the following options by pressing ⊞ > **Setup**:

option
Shuffle: Lets you set the music player to play the music files in a list or folder in random order.
Repeat: Lets you set the music player to play one or all the music files in a list or folder repeatedly.
Visuals: Lets you choose among different types of visual equalizers which sync with the Music.
3D Music: Lets you experience surround effects when the handset is tethered to a stereo headset. Setting the **3D Music** feature to **On**, allows you to select effects from the list of **Music Reverbs**.
Album View: Lets you choose to view either a list view or an image view.
Auto Update: Lets you reload all music files every time you launch My Music. If you set **Auto Update** to **Off**, it will follow the last known music library configuration in order to save loading time.
Equalizer: Lets you customize the sound of the music player.
View: Lets you choose between **Default** view and **Folder** view.
Music Reverbs: Lets you choose a 3D sound effect for use with the 3D Music feature.

work with playlists

Playlists are lists of music files you create from the files already available through My Music.

Playlists enable you to organize music files, but they do not change anything in other folders or on the memory card. Adding or deleting a file on a playlist does not copy, delete or move it.

create a playlist

Find it: MENU > MUSIC > **My Music** > **Playlists** > **[Create New]**.

1 Enter a playlist name.

Note: If you do not assign a name, the playlist is named **Playlist** followed by a number. For example, the first playlist you create without naming is automatically named **Playlist-1**.

2 Select **[Add Songs]**. A list of all music files appears.

Tip: For options to help you sort through this list, press MENU.

3 Select each file you want on the playlist. A checkmark appears by each selected file.

Tip: To deselect a selected item, scroll to a selected file and press OK.

4 When you are finished selecting files, press • under **Done** and • under **Save**.

The following options are available for existing playlists by pressing MENU > **My Music**> **Playlists** > MENU > **Edit Playlist**:

option
Reorder Songs in a Playlist: You can change the order of the music files while creating or editing the playlist by pressing MENU > **Reorder Songs**. Scroll to the song you want to move, press • under **Grab**, and then scroll to the place where you want the song to appear and press • under **Insert**.

option
Remove Songs: You can remove some or all songs while creating or editing a playlist. Before you have saved a new playlist or while editing a playlist, scroll to the song you want to remove and press ⊞ > **Remove Song** and press OK, or you can select **Remove All Songs**. Press ⊡ under **Yes** to confirm and ⊡ under **Save**.
Reorder Playlists: You can change the order of the playlists in the **Playlists** folder. Press ⊞ > **Reorder Playlists**. Scroll to the playlist you want to move and press ⊡ under **Grab**, and then scroll to the place where you want the playlist to appear and press ⊡ under **Insert**.
Delete a Playlist: While in the music player select **Playlists**. Scroll to the playlist you want to delete and press ⊞ > **Delete Playlist**. Press ⊡ under **Yes** to confirm.

option
Edit a Playlist: You can change a playlist name, add music files, remove music files, and change the order of the music files. Select a playlist and press ⊞ > **Edit Playlist**. Make changes and press ⊡ under **Save**.
Delete all Playlists: While in the music player select **Playlists**. Press ⊞ > **Delete All Playlists** and press ⊡ under **Yes** to confirm. **Note:** This deletes all playlists except the Favorites playlist.
Reload Music: Searches your memory card for music files.

use the favorites playlist

The **Favorites** playlist is a permanent playlist. You can **Add To Favorites**, remove and change the order of the music files, but you cannot rename or delete music files.

Find it: ⊞ > 🎵 > **My Music** > **Songs**.

Select the song you want to add to your favorites and press ⊞ > **Add To Favorites**.

work with podcasts



Find it: ⊞ > 🎵 > **My Music** > **Podcasts**.

Note: The Podcasts folder is empty until you download podcasts from your computer.

1. Scroll to view individual podcast episodes or folders containing multiple episodes of the same program.
2. Press OK to view the podcast episodes within a folder or the details screen of an individual podcast episode.

You can pause, resume, fast-forward, and rewind just as with any other music file.

Some functions differ when playing a podcast:

- Pressing OK when you have scrolled to a podcast displays a screen showing podcast details, but does not play the podcast. To play the podcast, press ⊡ under **Play**. After you begin playing the podcast, pressing OK pauses and resumes the podcast.
- If the podcast you are playing contains highlights, pressing and releasing the ⊙ right or left skips to the next or previous highlight within the podcast, or to the beginning or end of the podcast.

highlights

Highlights are portions of a podcast that are marked to help you find them more easily. You can use the music player to add and delete highlight markers. Press and release (don't hold) the ⊙ right or left to find them.

You can play all the highlights in a podcast and skip everything that is not marked as a highlight using **Highlights Only**.

add a highlight marker

1 While playing a Podcast press ⊞ > **Add Highlights**.

2 Press ⊙ under **On** to mark the beginning.

3 Go to the point in the podcast that you want to mark as the end of the highlight and press ⊙ under **Off.**

4 Press ⊙ under **Back**.

Tip: Highlight markers can be deleted by pressing ⊞ > **Clear** or pressing ⊞ > **Edit Highlights** > ⊞ > **Clear All Highlights** from the Podcasts menu.

my music on the external display

You can launch My Music from the external display by pressing the Smart Key ⊙ and selecting the My Music apllication from the menu.

Note: Pressing the Smart Key ⊙ when on the external idle screen will access the main menu in the external display.

Use the external touch media keys to control My Music from the extrenal display. For more information, see "touch media keys" on page 64.

background music

Your handset has the capability to play music in the background while you are accessing other features like **Settings**, **Media Center**, **Bluetooth**, **GPS**, **Contacts**, **Datebook**, **Memo**, **Recent Calls**, and others.

You can also enjoy listening to your favorite background music while browsing the web, reading news or checking the weather.

play music in the background

Find it: ⊞ > 🎵 > **My Music** > **Songs**.

1 Select a music file and press OK to play the song.

2 Press MENU > **Hide Player**.

The music player continues playing and the handset returns to the home screen. To jump back to the music player, press ⊙ under **Player**.

my images

My Images lets you easily browse, edit and view a slide show of images on your phone or memory card on your internal display, or browse, view a slide show on the external display.

my images menu

The My Images menu has many photo management features. The following options are available for images by pressing MENU > > **My Images** > MENU and choose one of the following:

option
Edit: Displays several options for editing your photos including: **Crop, Rotate/Flip, Color Adjustment, Resize, Borders, Stamps, Text** and **Text Bubble.**
Slideshow: Starts a slide show containing images from the currently highlighted image.
Save as New: Lets you save an image with a new filename.
Preview: Displays the highlighted image.
Send Via BLuetooth: Lets you send the image via Bluetooth.
Rename: Lets you rename the image filename.
Delete Current: Deletes the current highlighted image.

option
Delete Multiple: Lets you chose multiple images to delete at one time.
Switch to Card: Toggles between images stored on the phone or memory card.
Set as Internal Wallpaper: Sets the highlighted image as the internal display wallpaper.
Set as External Wallpaper: Sets the highlighted image as the external display wallpaper..
Set As Caller ID: Allows you to assign the highlighted image to a Contact.

viewing images

Find it: MENU > 🖼 > **My Images**.

1 Press MENU > **Slideshow** to view a show of all images in the current folder.

2 Press ⊙ left or right to switch between viewing images on the phone and the memory card. The # and * keys can also be used to scroll the images.

my images on the external display

You can launch My Images on the external display by closing the flip while in the My Images application by pressing the Smart Key ▣ on the external display and selecting **My Images** from the menu.

The available images are shown using thumbnails at the bottom of the display. The thumbnails scroll as you move through the images.

Use the external touch media keys to control My Images from the external display:

- When viewing single images on the external display use the **Previous/Next** buttons to scroll through the images.

- When viewing a slide show on the external display, use the right ▶II button to control the show.
- Press the Smart Key ⊡ to suspend the My Images application and go to the External Display Menu.

For more information, see "touch media keys" on page 64.

my videos

My Videos lets you easily browse and view video files on your phone or memory card.

Find it: ⊞ > 🎬 > **My Videos**.

viewing videos

My Videos will display the video in portrait mode by default.

Tip: To change the default to landscape mode press ⊞ > **Full Screen**.

my videos setup menu

Find it: ⊞ > 🎬 > **My Videos** > ⊞ > **Setup**

The My Videos Setup Menu allows you to change the following settings:

option
View: Displays options for viewing your videos as **Default** and **Folder** view.
3D Audio: Lets you turn 3D audio **On** and **Off**.
Reverbs: Lets you choose from a number of 3D audio visual settings.

my videos on the external display

You can launch My Videos on the external display by closing the flip while in the My Videos application by pressing the Smart Key ⊡ on the external display and selecting **My Videos** from the menu.

Tip: Closing the flip while watching a video on the internal display will move the video to the external display.

Use the external touch media keys to control My Videos from the external display:

- When viewing a video on the external display, use the right ▶II button to control the video playback. Press and hold the ▼ key to fast forward the video. Press and hold the ▲ key to rewind the video.
- When viewing videos on the external display use the ▼ ▲ buttons to scroll through available videos.
- Press the **Smart Key** ▪ to suspend the My Videos application and go to the External Display Menu. For more information, see "touch media keys" on page 64.

camera

You can save pictures taken with the integrated camera in your phone's memory, and can access them through the Media Center.

Pictures can be sent via Push to Talk calls or Bluetooth. You can also assign them to Contacts entries, or set them as your phone's wallpaper.

access the camera

To access the camera with the flip open, press ⊞ > 🎨 > **Camera**.

To take pictures aim the camera lens and press • under **Capture** or press OK.

To save the picture, press OK.

To discard the picture without saving it, press • under **Discard**.

From the camera viewfinder, you can press ⊞ to enter **Menu Options**.

The following options become available:

option
Media Center: Opens the Media Center application.
Record Video: To switch the camera to camcorder mode.
Zoom: To set the camera's zoom to **1x**, **2x**, or **4x**.
Remove Card: To safely remove the memory card from the phone.
Self Timer: Delay capturing the picture for a selected number of seconds. The values are: **Off** (default), **10 seconds**, **15 seconds**, **20 seconds**. To turn off the timer before the picture is captured, press ⊡ under **Cancel**.
GPS Tag: Allows you to turn **GPS Tag** feature **On** or **Off**.
Picture Quality: Adjust the picture quality to **Normal** or **Fine**.
Picture Size: Set up the picture size to **Max (1200x1600)**, **XL (960x1280)**, **L (480x640)**, **M (176x220)**, **S (128x160)**, or **Wallpaper (240x320)**. You can also set picture size from the viewfinder by pressing ⊙ left and right.
White Balance: Sets the white balance to **Automatic**, **Sunny**, **Cloudy**, **Fluorescent**, **Tungsten** or **Night.**
Exposure Control: Adjusts the exposure of the picture from -2 to +2.
Style: Sets the type of picture effect to **Normal**, **Black and White**, **Sepia**, **Solarization** and **Negative**.
Memory Usage: Shows the total amount of **Used**, **Free**, and total **Capacity** of the phone's memory and of the SD memory card.

option
Memory Card: Allows you to remove the memory card, set where videos are stored: **On Phone** or **Prefer On Card**, format the memory card, and to display **Help**.
Camera Setup: To access the camera set up screen.

Note: You can only take pictures of yourself with the flip open.

access the camera on the external display

You can launch the camera on the external display with the flip closed by pressing the Smart Key ⊡ on the external display and selecting **Camera** from the menu.

Use the external touch media keys to control the camera from the external display:

For more information, see "touch media keys" on page 64.

Tip: Pictures taken from the external display are automatically saved to your phone or phone memory card.

access the media center

You can access the media center from the camera at any time by pressing ⊞ > **Media Center**, except when you are using the **Camera Setup** menu or viewing the memory screen.

The media center contains all your pictures, music files, and videos located on your phone's memory. Press ⊛ or # to filter your results.

customize the camera

Find it: ⊞ > 🔧 > **Camera** > ⊞ > **Camera Setup**

The following options become available:

option
Ask for Name: If this option is **On**, you are prompted to enter a name for each picture before saving. Otherwise, pictures are automatically saved with the date and a number as their names.
Shutter Sound: Set the default sound the camera makes when is taking a picture.
Default Size: Sets the default value for the **Picture Size** option.
Default Quality: Sets the default value for the quality of the picture.
GPS Tag : If this option is **On**, pictures will be tagged with the geographic location of where they were taken.

camcorder

You can use your phone's camcorder feature to record videos.

Find it: ⊞ > 🎥 > **Camcorder**

record video

1. Press ⊙ under **Record**, or press OK.
2. To stop recording and discard the partially recorded video, press ⊙ under **Cancel**.
3. To stop recording the video press ⊙ under **Stop**.
4. To save the recorded video, press OK.

From the camcorder viewfinder, you can press ⊞ to enter **Menu Options**.

The following options become available:

option
Media Center: Opens the Media Center application.
Capture Picture: To switch the camera to picture mode.
Zoom: To set the camera's zoom to **1x**, **2x**, or **4x**.
Remove Card: To safely remove the memory card from the phone.
Video Size: Set up the picture size to **Min (128x96)**, **Med (176x144)**, or **Max (320x240)**. You can also set picture size from the viewfinder by pressing ⊙ left and right.

option
Video Length: Allows you to choose between **Short** or **Maximum** for longer videos. **Note:** When set to **Maximum**, video length is limited to 60 seconds when stored to your phone's memory. When stored to a memory card, video length is limited to available space on the memory card, or two hours.
Memory Usage: Shows the total amount of **Used**, **Free**, and total **Capacity** of the phone's memory and of the memory card.
Memory Card: Allows you to remove the memory card, set where videos are stored: **On Phone** or **Prefer On Card**, format the memory card, and to display **Help**.
Camera Setup: To access the camera set up screen.

customize the camcorder

Find it: ⊞ > 🎥 > **Camcorder** > ⊞ > **Camera Setup**

The following options become available:

option
Ask for Name: If this option is **On**, you are prompted to enter a name for each picture before saving. Otherwise, pictures are automatically saved with the date and a number as their names.
Shutter Sound: Set the default sound the camera makes when is taking a picture.
Default Video Size: Sets the default value for the **Video Size** option.

deleting a recorded video

If you do not want to save the recorded video, press ⊙ under **Discard** to delete the recorded video and return to the video viewfinder.

touch media keys

Your i890 phone comes with touch media keys on the front of the flip that will change depending on whether you are holding your phone in portrait or landscape mode and what application you are using.

The following icons are displayed depending on how you are holding your phone:

Icon	Function
Camera Keys are shown in Landscape	
⊕	Zoom in
⊖	Zoom out
⊠	Exit
📷	Take Pictures
🎥	Record Videos
▶II	Play/Pause
◀	Previous/Rewind
●	Multi Function Touch Key

Icon	Function
▶	Next/Forward
Music Keys are shown in Portrait	
⊠	Exit
▶II	Play/Pause Song
I◀◀	Previous Song/Rewind
▶▶I	Next Song/Fast Forward

PTT features

With PTT features, your phone can send and receive the following items through Push to Talk calls with other phones that have this capability:

- Short text messages[1]
- Pictures[1]

1. Additional charges may apply.

- Datebook events
- My Info
- Contact information
- Location information[1]

You can choose to send messages, pictures, events, **My Info**, **Contacts** or **Location** information to the PTT ID you are engaged in a Push to Talk call with, PTT IDs on the **Recent Calls** list, and PTT IDs stored in **Contacts**.

When you make or receive a Push to Talk call, your phone automatically determines whether the phone you are engaged in a Push to Talk call with is able to receive each of these items. Your phone saves this information for as long as the PTT ID is on your **Recent Calls** list or is saved in your **Contacts**. Your phone updates the saved information each time you make or receive a call to or from that PTT ID.

Note: You cannot send PTT feature items during Talkgroup calls.

send messages



The Send Messages feature lets you send short text messages through Push to Talk calls.

When you send a message, it appears on the display of the phone you are engaged in the Push to Talk call with.

begin a message and choose a recipient

You can begin a message during a Push to Talk call, from the **Contacts** list, the **Recent Calls** list, or from the **PTT Features**.

begin a message during a push to talk call

While in a Push to Talk call, press ⊞ > **Use PTT Feature** > **Send Message**.

Note: The first time you send a message, **Messaging Fees May Apply Continue?** appears and you are prompted to respond. Press ⊡ under **Yes** to acknowledge the message.

begin a message from the Contacts or the Recent Calls list

1. From the **Contacts** or the **Recent Calls** list, select the entry containing the PTT ID you want to send the message to.
2. Press ⊞ > **Use PTT Feature** > **Send Message**.

begin a message from PTT features

The **PTT Features** lets you select the PTT ID you want to send the message to from **Contacts** or the **Recent Calls** list.

Find it: ⊞ > 🎵 > **PTT Features** > **Send Message.**

Then select **A Contact** or **A Recent Call** to see a list of entries from the **Contacts** or the **Recent Calls** list that can receive messages.

create messages

After you have begun a message and chosen a recipient, a screen appears that lets you create the text of the message you want to send. Your message may be up to 765 characters long.

You can choose from a list of ready-made words or short phrases called Quick Notes. You can use a Quick Note as it is or edit it before you send it. Editing a Quick Note changes the Quick Note for this message only and will not change the Quick Note on the list.

send a completed message

After you have completed your message, press the PTT button to send it.

receive messages

When you receive a message, a message notification appears on the display.

To view the message: Press ⊙ under **Read**.

To dismiss the message: Press ⊙ under **Dismiss**.

reply to a message

1. View the message.
2. Press ⊙ under **Reply**.
3. Create the message and press the PTT button to send it.

send pictures



You can send pictures stored in the **Media Center** through Push to Talk calls. The picture you send appears on the Push to Talk call recipient's display.

If the recipient accepts the picture, their phone saves the picture. The picture then appears in that phone's recent call list.

The first time you send a stored picture after turning the phone on, **Picture Fees May Apply Continue?** appears and you are prompted to respond.

Note: You cannot make or receive Push to Talk calls while transmitting or receiving a picture.

send a picture during a call

1 While in a Private call, press ⊡ under **Picture**.

or

Press ⊞ > **Use PTT Feature** > **Send Picture.**

2 Select **Capture Picture** to take a new picture.

or

Browse Picture to select a picture stored on the phone or microSD memory card.

3 Press ⊙ to take the picture and press ⊡ under **Save**.

or

From the list of pictures, select the picture you want to send.

4 Press the PTT button to send the picture.

5 Wait while the picture is transmitted. The Private call is temporarily interrupted while a picture is transmitted.

6 When prompted, press the PTT button to resume the Private call.

start a call by sending a picture

from the media center

Find it: ⊞ > 🔔 > **Media Center**

1 Scroll left or right to **Phone: Pictures** or **Card: Pictures**.

2 Select the picture you want to send.

3 Press ⊞ > **Send Via...** > **Send Via PTT**.

4 Select **A Contact** or **A Recent Call**

A list of contacts that have Private IDs and are able to receive pictures appears.

5 Select the name of the person you want to send the picture to.

6 Press the PTT button to send the picture.

7 When prompted, press the PTT button to resume the Private call.

from PTT features:

Find it: ⊞ > 📡 > **PTT Features** > **Send Picture**.

1 Select **A Contact** or **A Recent Call**

A list of contacts that have PTT IDs and are able to receive pictures appears.

2 Select the name of the person you want to send the picture to.

3 Select **Browse Picture** or **Capture Picture**.

4 Press the PTT button to send the picture.

5 Once picture has been sent, when prompted press the PTT button to resume the call.

receive a picture

When someone sends you a picture, your phone emits a tone or vibrates and a message appears asking if you want to accept the picture.

Pictures you receive are saved either to your phone's memory or SD card. They are accessible through the media center.

When you see a message asking if you want to accept the picture, press **Yes** to accept or **No** to decline.

clear a picture from the display

If you want to clear a picture from your phone's display while still on a call, press ⊞ > **Clear Screen**.

send a datebook event



to send a datebook event during a push to talk call

1 While in a Push to Talk call press ⊞ > **Use PTT Feature** > **Send Event**.

Note: If these options do not appear on the menu, the PTT ID you are engaged in a Push to Talk call with is not able to receive Datebook events.

2 If you want to create a new datebook event, press ⊡ under **New** and create the event in your datebook. If you want to chose an existing event do so.

3 If the event is a recurring event: Select **This Event Only** to send only the event selected. Select **Repeat Events** to send all occurrences of the event.

4 Push the PTT button to send the event.

send my info

1 While in a Push to Talk call press ⊞ > **Send via PTT**., and push the PTT button to send.

or

2 From the home screen press ⊞ > ✎ > **My Info** > ⊞ > **PTT My Info**. Enter a PTT ID or press ⊡ under **Browse** to chose a recipient from Contacts, Recent Calls or Memo, and press OK. Push the PTT button to send.

set my info sending option



You can control what portion of the information in **My Info** is sent and whether it is sent automatically in every call or only when you choose to send it.

Find it: ⊞ > «ᵢ > **PTT Features** > **Configure** > **PTT My Info** > **Info to Send**

1. Select or remove the fields you want to send.
2. Press ⊙ under **Done**.

The information your phone sends always includes **My Name**, and **Private1**. You may also send **Mobile, Other, Carrier IP, Private2, Work1, Work2, Home, Email1, Email2, Fax** and **Pager** depending on your sending options.

automatic sending

To control whether you send your information automatically:

Find it: ⊞ > «ᵢ > **PTT Features** > **Configure** > **PTT My Info** > **Auto Send**

1. Select **On** or **Off**
2. When you make a call in which your information is sent automatically, the name you entered in the **My Name** field of **My Info** appears on the display of the recipient's phone, even if your name and PTT ID are not stored in the recipient's Contacts.

send contact information

1. While in a Push to Talk call press ⊞ > **Use PTT Feature**.
2. Select **Send Contact** and select the contact information you want to send.
3. Push the PTT button to send.

 or

1 From the home screen press ⊞ > 📶 > **PTT Features** > **Send Contact.**

2 Enter the PTT ID number of the person you want to send the Contact information to or press • under **Browse**.

3 Select from **Recent Calls**, **Contacts**, or **Memo**.

Select the contact information you want to send and push the PTT button.

send your location



You can transfer your approximate location information through Push to Talk calls to other enabled phones. Using the integrated GPS feature, the following location information can be shared:

- Time Stamped Latitude/Longitude
- Relative Location or Direction and distance from the sender in Miles or Kilometers

Find it: ⊞ > 📶 > **PTT Features** > **Send Location.**

1 Select **A Contact** or **A Recent Call.**

A list of contacts that have PTT IDs and are able to receive locations appears.

2 Select the name of the person you want to send your location to.

3 Press the PTT button to send your location.

Note: The location information can be stored in the recipient's recent call list.

turn PTT features on and off

You can turn your phone's ability to send and receive messages, pictures, and Datebook events and location info on and off.

You cannot turn your phone's ability to send and receive My Info and contact information on and off.

Find it: ⊞ > 📶 > **PTT Options** > **On/Off PTT Features**.

1 Check or uncheck Messages, Pictures, Events or Location.

one touch PTT

Find it: ⊞ > 📻 > **PTT Options** > **One Touch PTT.**

One Touch PTT sets your phone to do any of the following each time you press the PTT button from the home screen:

option
Off: Nothing happens when you press the PTT button from the home screen.
Last Call: Call the most recent PTT ID or Group on the recent calls list.
Assigned Number: Call a PTT ID you assign. Enter the number using your keypad, or press • under **Search**. Select **Contacts**, **Recent Calls**, or **Memo**. **Note:** If you are entering a Talkgroup number, enter # before the number.
PTT Features: Go to PTT Features. See "PTT features" on page 74.
Send Message: Go to the first screen to send a message.
Send Picture: Go to the first screen to send pictures. See "send pictures" on page 67.
Send Event: Go to the first screen to send a Datebook event.
Send My Info: Go to the first screen to send My Info. See "send my info" on page 70.
Send Contact: Go to the first screen to send a contact. See "send contact information" on page 71.
Send Location: Go to the first screen to send your location. See "send your location" on page 72.

PTT features



The **PTT Features** lets you quickly access PTT features, and other Push to Talk call features, from the main menu.

Find it: > > **PTT Features**

1 Select **Send Message**, **Send Picture**, **Send Event**, **Send My Info**, **Send Contact**, **Send Location**, or **Configure**. After choosing what PTT item you are sending, select a contact and press the PTT button to send.

or

2 Select **Configure** to configure your **PTT Quick Notes**, **PTT My Info**, **PTT Location**, **One Touch PTT**, or **On/Off PTT Features**.

Bluetooth®

Find it: >

turn Bluetooth on or off

You can turn your phone's Bluetooth feature on or off. While Bluetooth power is on, your phone can communicate with other devices.

Find it: > > > **Setup** > **Power**

1 Select **On** to power Bluetooth On.

2 Select **Name** if you wish to assign a name to your handset.

3 Select **Find Me** to determine the amount of time in which your handset can be found by other Bluetooth devices.

You can turn off Bluetooth if you want to prolong battery life or if you enter an area where Bluetooth is prohibited.

make a Bluetooth connection

connect your handset with a Bluetooth headset

Find it: > > > **Audio Devices** > **[Look for Devices]**

1. Follow the instructions on your Bluetooth headset to set it up to be found.
2. Once your Bluetooth headset is set to be found press OK on your handset. Your phone will scan for the Bluetooth headset until it finds it. Press OK when you see the name of the Bluetooth headset on your screen.
3. Your handset requires that you create a bond in order to connect with a Bluetooth headset. Press • under **Yes** when you are prompted to bond with the headset.
4. Enter the Bluetooth pass key.

 Some Bluetooth devices ship with Bluetooth PINs. Please refer to your Bluetooth device's user guide to locate this information.

 If a device ships without a Bluetooth PIN, then you can enter any PIN for that device. To establish a connection to that device, enter the same PIN for both your phone and the device. For example, if you enter 1234 as the device's PIN, then enter 1234 as your phone's PIN.
5. Press • under **Ok**.

This handset offers the Bluetooth auto pair feature with auto pair compatible Motorola devices. When bonded via Bluetooth with a certain device, the pin will not be required

connect your handset with another Bluetooth device

Find it: > > > **Pair to Devices**

1 Select the device you want from the list of found devices on your screen.

2 Create a bond if you are prompted to do so.

If you have previously connected to a device, the device will be stored on your phone so you can connect with it easily.

use Bluetooth during a call

You can connect with available Bluetooth devices during a call.

1 While in a call, press ⊞ > **Use Bluetooth**.

2 Select the audio device you want to connect to from the list of **Audio Devices**.

If the **Audio Devices** list contains only one device, your phone will try to connect to it.

send information via Bluetooth

Your handset can transfer Contacts entries, Datebook events, audio files, pictures and videos to another Bluetooth device.

The receiving device must be within 32 feet (10 meters) of your phone in order to connect.

Note: Files sent or received may be up to 10 MB, depending on your service provider. File transfers will not work if a microSD card is not installed in your phone.

sending information

1 From within **Contacts**, **Datebook**, or **Media Center**, select the Contacts entry, Datebook event, audio file, video, or picture you want to send.

2 Press ⊞ > **Send Via...** > **Bluetooth**.

3 Select the device you want to transfer the contact information to, or search for the device by selecting **[Look for Devices]**.

4 If prompted, bond with the device.

Your phone connects with the devices and transfers the information.

how to check if your PC supports Bluetooth FTP

1 Right click on the Bluetooth icon in the system tray and open Bluetooth configuration.

2 Click on the Client Applications tab and check that File Transfer is active.

Note: This process may be different depending on the PC manufacturer.

file browsing with the Bluetooth file transfer service

1 Double click the My Computer Icon on the desktop.

2 Double click on My Bluetooth Places.

3 Double click on FIle Transfer Service.

4 Drag and drop the files to the appropriate folder.[1] See "understanding the memory card folder structure" on page 49.

Note: This process may be different depending on the PC manufacturer.

1. If a music file is not visible in My Music, press ⊞ > **Reload Music** while in the music player application. All music files within the Music folder on your microSD card will be loaded into My Music.

turn off a call alert

You can press the volume keys to turn off a call alert before answering the call.

recent calls

The recent calls list contains information associated with calls you have made and received and call alerts you have received.

When you send or receive Push to Talk calls, the recent call list contains the following PTX items with those calls:

- contact information received
- My Info received
- short text messages received
- pictures sent or received
- Datebook events received

The recent calls list displays up to 20 of the most recent calls and call alerts.

1 Press MENU > **Recent Calls** or from the idle screen, press ⊖ to access Recent Calls.

2 Scroll through the list.

3 To view more details of the item press OK.

Note: All Private, Blocked or Anonoymous calls received will be displayed as Private in recent calls.

store an item to contacts from recent calls

Phone calls, Push to Talk calls, My Info, Contacts or Location entries received from other phones can be stored to the Contacts list from the Recent Calls list.

Find it: ⊞ > **Recent Calls**.

1. Scroll to or select the item you want to store.
2. Press ⊙ under **Save** to store the information as a new entry in the Contacts list.

 or

3. Select an existing contact and update the information.
4. Press ⊙ under **Save** to save your changes.

redial

To redial your last outgoing call, press and hold ⌴. If your last outgoing call was a Push to Talk call, push the PTT button to initiate a new Push to Talk call.

caller ID

Caller ID allows people to identify a caller before answering the phone by displaying the number of the incoming call. If you do not want your number displayed when you make a call, just follow these easy steps.

To block your phone number from being displayed for a specific outgoing call:



1. Press * 6 7.
2. Enter the number you want to call.
3. Press ⌴.

To permanently block your number, call your customer service provider.

call forward

Call forwarding sends calls to the phone numbers you specify. You can forward all calls to one number or forward missed calls to different numbers depending on the reason you missed the call. You can forward phone lines 1 and 2 independently.

Find it: MENU > **Phone Calls** > **Call Forward**.

1 To forward all calls select **All Calls** and select **To** to enter the phone number you want all your calls forwarded to.

or

2 You can specify a forwarding number for each type of missed call by selecting **Detailed** and choosing the following options:

If Busy: When your handset is on a call or transferring data.

If No Answer: When you do not answer on the first 4 rings.

If Unreachable: When your handset is out of coverage or powered off.

voice names

You can place calls by speaking commands to your phone if you have previously assigned a voice name to your contacts.

assign voice names to contacts

1 Press ⊙ under **Contacts** and select **[New Contact]**.

2 Assign a name, phone number and select **[Options]**.

3 Select **Voice Name** and follow the prompt to record the voice name. Press OK to stop recording and store the voice name.

4 Press ⊙ under **Back** and press ⊙ under **Save**.

place a call using a voice name

1 Press the speaker key 🔊 until you are prompted to say the voice name.

The handset will automatically place the call.

emergency calls

Your service provider programs one or more emergency phone numbers that you can call under any circumstances. Emergency calls can be made without a SIM card, when your phone is locked, or when the SIM card is blocked.

Note: Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

Dial 911 or your local emergency number to be connected to an emergency response center. If you are on an active call, you must end it before making an emergency call.

When you make an emergency call, your phone's GPS Enabled feature can help emergency service personnel find you, if you are in a location where your phone's GPS antenna has established a clear view of the open sky and your local emergency response center has the equipment to process location information. Because of the limitations of this feature, always provide your location, to the best of your knowledge, to the emergency response center when you make an emergency call.

Note: Emergency calls cannot be placed while the keypad is locked, or if your phone is displaying a **No Service** message on the screen. To unlock the keypad, if the flip is closed, open the flip to reveal the keypad. If the flip is open, press ⊙ under **Unlock**, and press ⊙ under **Yes**.

international calls



If your phone service includes international dialing, press and hold 0 to insert your local international access code (indicated by +). Then, press the keypad keys to dial the country code and phone number.

speed dial

Each phone number stored in Contacts is assigned a Speed Dial number, which you can use to call that number.

1. From the home screen, use the keypad to enter the Speed Dial number assigned to the phone number you want to call.
2. Press #.
3. Press ⌴.

turbo dial

The first nine entries in your contacts are set for turbo dial. They can be called by pressing and holding the speed dial number (1 through 9).

voicemail



To receive voice mail messages, you must first set up a voice mail account with your service provider.

receiving a message

When you receive a voice mail message, **New VoiceMail Message** appears on the display.

To call your service provider's voice mail system and listen to the message:

1 Press ⊙ under **Call**.

2 To dismiss the message notification:

- Press OK or ⊙ under **Back**.

If the caller leaves a message, this icon ✉ appears on the display, reminding you that you have a new message.

LINCaround

Note: This feature may not be offered by your service provider.

With LINCaround, you can make and receive Two-Way Radio calls without network coverage. If you are travelling outside your service provider's coverage area, receiving a poor signal, or otherwise want to temporarily avoid using your service provider's network, you can switch to LINCaround and talk with anyone on your code and channel who is within range.

Note: Range will vary based on terrain, man-made structures and atmospheric conditions.

LINCaround lets you:

- Use code or private mode operation
- Use up to 10 channels
- Communicate with standalone LINCaround radios

Note: You cannot use LINCaround with older Family Radio Services products.

The following features and main menu items are unavailable while in LINCaround:

- On-network phone or Push to Talk calls
- Data transmission
- Incoming message notification
- Datebook
- Call forwarding
- Call Timers
- Call alerts

switching to LINCaround

To set your phone to LINCaround:

1 From the home screen press ⊞ > «▯ > **LINCaround** and press OK.

2 Select **Go to LINCaround**.

Switching to LINCaround Please Wait displays.

After a few seconds, the LINCaround idle screen displays. When **LINCaround Ready** displays, you can begin using LINCaround.

While in LINCaround, this icon ⊞ displays.

exiting LINCaround

To switch to network mode:

1 From the LINCaround idle screen, press ⊞ > «▯ > **LA Options** and press OK.

2 Select **Exit LINCaround**.

Switching to Network Please Wait displays. After a few seconds, the network idle screen appears.

talk range

While in LINCaround mode, phones should be a minimum of 6 feet apart to maximize performance and improve transmission range.

channels and codes

Your phone has 10 channels and 15 codes. Channels are divided into sets of frequencies. Other parties may be talking on the same channel. Codes minimize interference from other parties when you are sharing the same channel.

LINCaround opens to the last code and channel used on your phone. You can view the code and channel your phone is currently set to on the LINCaround idle screen.

For code calls, all parties must be on the same channel and code. For private LINCaround calls, the person you are calling must be in LINCaround and set to the same channel to receive your call.

Note: When making a code call, all parties that are on your code and channel can hear your conversation.

setting channels and codes

To set a channel:

1. From the LINCaround idle screen, press ⊙ under **Edit**.
2. Scroll to **Channel**.
3. Press ⊙ under **Edit**.
4. Select a channel.
5. When you are finished, press ⊙ under **Back** to return to the LINCaround idle screen.

To set a code:

1. From the LINCaround idle screen, press ⊙ under **Edit**.
2. Scroll to **Code**.
3. Press ⊙ under **Edit**.
4. Select a code.
5. When you are finished, press ⊙ under **Back** to return to the LINCaround idle screen.

making code calls

To make a code call:

1. From the LINCaround idle screen or the channel and code edit screen, press and hold the PTT button. **Transmit** appears on the first line of display. Begin speaking after your phone emits the LINCaround tone.

Note: The LINCaround tone consists of 4 rapid beeps.

2 Release the PTT button to listen.

If you receive an error message:

- No one is on your channel or code.
- You are out of range.

receiving code calls

When you receive a code call, **Receive** will appear on the display. After hearing the LINCaround tone, you have 6 seconds to reply before the call times out.

To reply to the call, press the PTT button.

Note: An incoming LINCaround call can be terminated at any time by pressing ☎.

receiving all LINCaround calls

If you set the code to **Receive All**, your phone can receive LINCaround transmissions from any phone that is set to the same channel, regardless of the code (1-15). When you receive transmissions with the code set to **Receive All**, the code that the transmission was received on will replace **Receive All** on the display.

Note: You cannot initiate a code call when the code is set to **Receive All**.

To set the code to **Receive All**:

1 From the LINCaround idle screen, press ⊙ under **Edit**.

2 Scroll to **Code**.

3 Press ⊙ under **Edit**.

4 Select **Receive All**.

5 When you are finished, press ⊙ under **Back** to return to the LINCaround idle screen.

To reply to a call with the code set to **Receive All**:

- Press the PTT button.

private LINCaround calls

If you want to have a private conversation without other parties listening in, you can make a private LINCaround call. The person you are calling must be in LINCaround and set to the same channel to receive your call.

private only

To set LINCaround to ignore code calls, so that you only make or receive private LINCaround calls, set your code to **Pvt Only**.

To set the code to **Pvt Only**:

1. From the LINCaround idle screen, press ⊡ under **Edit**.
2. Scroll to **Code**.
3. Press ⊡ under **Edit**.
4. Select **Pvt Only**.
5. When you are finished, press ⊡ under **Back** to return to the LINCaround idle screen.

making a private LINCaround call

1. Enter the PTN of the person you want to call on your channel. If the PTN is more than 10-digits, enter the last 10-digits of the PTN, or scroll to a number or name in Contacts or the Recent Calls List.
2. Press and hold the PTT button. Begin speaking after your phone emits the LINCaround tone.
3. Release the PTT button to listen.

 The number or name of the person you are calling will appear in the display.

If you receive an error message:

- The PTN you entered is invalid.
- The person that you are trying to reach is in network mode.
- The person that you are trying to reach is set to a different channel.
- The person that you are trying to reach is out of range.

receiving a private LINCaround call

The number or name of the person who is calling will appear in the display.

To reply, press the PTT button.

ending code calls and private LINCaround calls

Code calls and private LINCaround calls will end automatically after 6 seconds of inactivity. The LINCaround idle screen will display.

Note: A private or code LINCaround call can be interrupted during the 6 second idle time by another code call or private call.

making emergency calls while in LINCaround mode

If you attempt to make an Emergency 911 call while in LINCaround mode, your phone will automatically exit LINCaround mode and attempt to find a network signal.

If you are out of network coverage your phone will not be able to make an emergency 911 cellular call until you go back into the network coverage area.

You must wait until the phone reconnects to the network before attempting to make an emergency 911 cellular call.

setup options

You can set up LINCaround options on the MT Options screen. You can access this screen in both network and LINCaround modes.

To access setup options:

1 Press ⊞ > «▣ > **LINCaround** or **LA Options.**

2 Select **Setup**.

You can set the following LINCaround options:

- **Direct Launch**: Launch directly into LINCaround when you select **LINCaround** from the main menu.
- **State Tone**: Have an alert sound notify you that you have used LINCaround for a specified interval.

using direct launch

To set your phone to launch LINCaround when you select **LINCaround** from the main menu:

1 From the Setup screen, scroll to **Direct Launch** and press OK.

2 Select **On**.

Note: If **Direct Launch** is set to **On**, the LINCaround setup options will be unavailable from the main menu. However, you can still access setup options while in LINCaround by pressing ⊞ and selecting > **LA Options** > **Setup**.

To turn off Direct Launch:

1 From the Setup screen, scroll to **Direct Launch** and press OK.

2 Select **Off**.

LA Options will now display when you select **LINCaround** from the main menu.

using state tone

To set your phone to alert you after you have used LINCaround for a specified interval:

1. From the Setup screen, scroll to **State Tone** and press OK.
2. Select the interval after which you want the tone to sound.

For example, if you select 1 hour, you will be notified every hour that you are in LINCaround.

To turn off State Tone:

1. From the Setup screen, scroll to **State Tone** and press OK.
2. Select **Off**.

ring tones

To set the ring tone your phone makes when you receive phone calls, call alerts, message notifications, pictures sent using Send via PTT or Datebook reminders:

Find it: > > **Ring Tones**

1 Make sure **Vibrate All** is set to **Off**.

2 Scroll through the list of ring tones and select the one you want to assign. **Vibrate** sets your phone to vibrate instead of making a sound. **Silent** sets your phone to neither vibrate nor make a sound.

3 Select the features you want to assign the ring tone to.

4 When you are finished, press under **Done**.

Note: This icon appears on the display if you set your phone to **Silent**. This icon appears on the display if you set the phone to **Vibrate All**.

set your phone to vibrate

You can set your phone to vibrate instead of making a sound when you receive all phone calls, Push to Talk calls, group calls, call alerts, message notifications, pictures sent using Send via PTT, and Datebook reminders.

Find it: > > **Ring Tones** > **Vibrate All**

Set this option to **On** or **Locked**.

Setting this option to **On** lets you turn **Vibrate All** off by pressing the up volume control. Setting this option to **Locked** requires you to press and hold the up volume control to turn **Vibrate All** off. The **Locked** option helps prevent you from accidentally turning **Vibrate All** off.

To set **Vibrate All** to **On** or **Locked** using the volume controls:

Press the volume controls to turn down the volume as far as possible to set **Vibrate All** to **On**. Continue to hold the down volume control to set **Vibrate All** to **Locked**.

To set your phone to vibrate instead of making a sound for some features but not others:

Find it: MENU > > **Ring Tones**

1 Make sure **Vibrate All** is set to **Off**.

2 Select **Vibrate** from the list of ring tones.

3 Select the features you want to set to make no sound.

4 When you are finished, press - under **Done**.

backlight

Set the amount of time that the display and java apps. backlights remain on, or turn off the PTT backlight feature to extend battery life.

Find it: MENU > > **Display/Info** > **Backlight**

wallpaper

Set a previously saved photo or picture as a wallpaper (background) image in your phone's external display, internal screen or throughout all menu screens.

Find it: MENU > > **Display/Info** > **Wallpaper**

1 Select **External** or **Internal**.

2 Scroll through the list of pictures and press OK to select a picture.

3 Press ⊡ under **Done**.

You can set the internal and external wallpapers to change automatically after a certain period of time by turning on the **Auto Cycle** feature located in the Wallpaper menu. You can select from **Off**, **5 minutes**, **15 minutes**, **1 hour**, **8 hours**, **Daily**, or **Startup**.

datebook

feature	
create datebook events	To create a new Datebook event press ⊞ > 📝 > **Datebook** > **[New Event]**.
see datebook event	To see a calendar event press ⊞ > 📝 > **Datebook**. Press ⊙ left or right to see the day and ⊙ up or down to see the events.
event reminder	When an event reminder occurs press ⊡ under **View**. Press ⊡ under **Back** to close the reminder.
receive datebook events via PTT	To view the information while still in the Push to Talk call press OK. The 5 most recent events received from a PTT ID are stored with the that PTT ID on the recent calls list. To store events to the Datebook press ⊡ under **Save** while viewing the event you want to store.

datebook setup

Find it: MENU > Datebook > MENU > Setup

You can view or change these options:

options
Start View: Sets Datebook to start in day view, week view, or month view when you access Datebook.
Daily Begin: Sets the beginning of your day. This is the earliest time of day displayed in week view, if you have a 12-hour day view.
Delete After: Sets the amount of time Datebook waits to delete an event after it occurs.
Time Shift: Lets you shift the times of all Datebook events. This is useful if you are traveling to a different time zone.
Alert Timeout: Sets the amount of time a tone continues to sound when you receive a Datebook reminder.
Clock: Controls whether the time and date appear on the home screen; sets time and date format; sets year.

hide or show location information



Your phone is equipped with a Location feature for use in connection with location-based services that may be available in the future.

Turning Location **On** will allow the network to detect your position using GPS technology, making some applications and services easier to use. Turning Location off will disable the GPS location function for all purposes except 911, but will not hide your general location based on the cell site serving your call. No application or service may use your location

without your request or permission. GPS-enhanced 911 is not available in all areas.

set your privacy options

Find it: ⊞ > 🛰 > **GPS** > **Privacy**

Select from the following options:

option
Restricted: No Java or similar software applications may view the location of your phone. However, location information may still be available to the phone's owner, fleet manager, or account administrator.
Unrestricted: All applications may view the location of your phone, without notifying you.
By Permission: When an application attempts to view the location of your phone, you will be prompted to give permission. However, location information may still be available to the phone's owner, fleet manager, or account administrator.

reorder apps menu

Java applications can be reordered to change the order in which they appear on your phone.

Find it: ⊞ > **Games and Apps**

to reorder apps menu

1. Press ⊞ > **Games and Apps.**
2. Highlight **Java System** and press ⊞.
3. Select **Reorder Apps Menu.**
4. Scroll to the java application you want to move and press ⊙ under **Grab.**

5 Scroll to the place where you want the java application to appear and press ⊙ under **Insert.**

change GPS PIN

When you receive your phone, your GPS PIN is 0000.

To change your GPS PIN press ⊞ > ⚙ > **Security** > **Change Passwords** > **GPS PIN**. Enter the current GPS PIN and enter the new four to eight digit GPS PIN. Re-enter the new four- to eight-digit GPS PIN to confirm.

Legal and Safety

Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your integrated multi-service portable radio.*

Exposure to Radio Frequency (RF) Energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your mobile device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Portable Radio Product Operation and EME Exposure

Your Motorola radio product is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy (EME):

- United States Federal Communications Commission, Code of Federal Regulations; 47 CFR part 2 sub-part J.
- American National Standards Institute (ANSI) / Institute of Electrical and Electronics Engineers (IEEE). C95. 1-1992.
- Institute of Electrical and Electronics Engineers (IEEE). C95. 1-2005 Edition.*
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998.
- Ministry of Health (Canada). Safety Code 6. Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999.
- Australian Communications Authority Radio communications (Electromagnetic Radiation - Human Exposure) Standard 2003.
- ANATEL, Brazil Regulatory Authority, Resolution 303 (July 2, 2002) "Regulation of the limitation of exposure to

* The information provided in this document supersedes the general safety information in user's guides published prior to May 1, 2006

electrical, magnetic, and electromagnetic fields in the radio frequency range between 9 kHz and 300 GHz." "Attachment to Resolution 303 from July 2, 2002."

Operational Precautions

For optimal mobile device performance, and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions.

Phone Operation

When placing or receiving a phone call, hold your mobile phone as you would a landline telephone. **Speak directly into the microphone**.

Two-way radio operation

Your radio product has been designed and tested to comply with national and international standards and guidelines regarding human exposure to RF electromagnetic energy, when operated in the two-way mode (at the face, or at the abdomen when using an audio accessory) at usage factors of up to 50% talk/50% listen.

Transmit no more than the rated duty factor of 50% of the time. To transmit (talk), push the PTT button. To receive calls, release the PTT button. Transmitting 50% of the time or less, is important because this radio generates measurable RF energy only when transmitting (in terms of measuring for standards compliance).

When using your radio product as a traditional two-way radio, **hold the radio product in a vertical position with the microphone one to two inches (2.5 to 5 cm) away from the lips**.



If you wear the mobile device on your body, always place the mobile device in a Motorola approved clip, holder, holster, case or body harness. If you do not use a body-worn accessory supplied or approved by Motorola and are not using the mobile device in the intended use positions along side the head in the phone mode or in front of the face in the two-way radio mode, or if you hang your device from a lanyard around your neck, keep the device at least 2.5 centimeters (1 inch) from your body when transmitting.

Approved Accessories

For a list of approved Motorola accessories call 1-800-453-0920, or visit our website at www.motorola.com/phoneaccessories.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn OFF your mobile device in any location where posted notices instruct you to do so.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Implantable Medical Devices

If you have an implantable medical devices, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the phone is turned ON.
- DO NOT carry the mobile device in the breast pocket;
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your mobile device with your implantable medical device, consult your health care provider.

Hearing Aids

Some phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.

Other Medical Devices and Health Care Facilities

If you use any other personal medical devices, consult your physician or the manufacturer or your device to determine if it is adequately shielded from RF energy. Turn off your radio product when instructed to do so in hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

Bluetooth

This device supports Bluetooth 2.1 with EDR including HSP, HFP, OPP, DUN, PBAP,GAP, SDAP, GAVDP, A2DP, AVRCP1.0, AVRCP1.3, SPP, OBEX, FTP and BPP. In order for Bluetooth devices to communicate with one another, they must utilize the same Bluetooth profile. To determine the profiles supported by other Motorola devices, visit www.hellomoto.com/bluetooth. For other devices, contact their respective manufacturer.

Certain Bluetooth features including those listed may not be supported by all compatible Bluetooth-enabled devices, and/or the functionality of such features may be limited in certain devices, or

by certain wireless carriers. Contact your wireless carrier about feature availability and functionality.

Caring for the Environment by Recycling



This symbol on a Motorola product means the product should not be disposed of with household waste.

Disposal of your Mobile Device and Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region. Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at: **www.motorola.com/recycling**

Disposal of your Mobile Device Packaging and User's Guide

Product packaging and user's guides should only be disposed of in accordance with national collection and recycling requirements. Please contact your regional authorities for more details.

Driving Precautions

The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving.

Additionally, the use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Responsible driving practices can be found in the "Smart Practices While Driving" section (see page 115).

Operational Warnings

Obey all posted signs when using Mobile devices in public areas.

Potentially Explosive Atmospheres

Areas with potentially explosive atmospheres are often but not always posted, and can include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain, dust or metal powders.

When you are in such area, turn off your handset, and do not remove, install, or charge batteries unless it is a radio product type especially qualified for use in such areas as "Intrinsically Safe" (for example, Factory Mutual, CSA, or UL approved). In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

Your battery, charger, or portable radio may contain symbols, defined as follows:

Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or phone in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not throw your battery or phone in the trash.
	Your phone contains an internal lithium ion battery.
	Do not let your battery, charger, or phone get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

Batteries and Chargers

Caution: Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see the "Battery Use and Battery Safety" section in this user's guide.

Keep Your Mobile Device and Its Accessories Away from Small Children

These products are not toys and may be hazardous to small children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives

a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are very tired.

Caution About High Volume Usage

Warning: Warning: Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the



less time is required before your hearing could be affected. To protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears, or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked.

For more information about hearing, see our Web site at **www.motorola.com/hearingsafety** (in English only).

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician.

Open Source Software Information

For instructions on how to obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device you may send your request in writing to the address below. Please make sure that the request includes the model number and the software version number.

MOTOROLA, INC.
OSS Management
600 North US Hwy 45
Libertyville, IL 60048
USA.

The Motorola website opensource.motorola.com also contains information regarding Motorola's use of open source.

Motorola has created the opensource.motorola.com to serve as a portal for interaction with the software community-at-large.

To view additional information regarding licenses, acknowledgments and required copyright notices for open source packages used in this Motorola mobile device, please select **Main Menu > Java Apps > OpenSourceNotices.** In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.

Service and Repairs

If you have questions or need assistance, we're here to help.

Go to **www.motorola.com/support**, where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1 (800) 453-0920 (United States), 1 (877) 483-2840 (TTY, TDD United States for hearing impaired).

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Battery Use and Safety

- In very limited circumstances, such as where your phone has been exposed to extreme heat Cool Down message screens will appear. To avoid possible damage to your battery and phone, you should follow these instructions until the phone is within its recommended temperature range. When your phone is in Cool Down mode, only emergency calls may be made.
- **Motorola recommends you always use Motorola-branded batteries and chargers.** The warranty does not cover damage caused by non-Motorola batteries and/or chargers.

 Caution: Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard. Improper battery use, or use of a damaged battery, may result in a fire, explosion, or other hazard.
- Battery usage by children should be supervised.

- **Important**: Motorola mobile devices are designed to work best with qualified batteries. If you see a message on your display such as **Invalid Battery** or **Unable to Charge**, take the following steps:
 - Remove the battery and inspect it to confirm it bears a Motorola "Original Equipment" hologram;
 - If there is no hologram, the battery is not a qualified battery;
 - If there is a hologram, replace the battery and retry charging it;
 - If the message remains, contact a Motorola Authorized Service Center.
- When storing your battery, keep it in a cool, dry place.
- It is normal over time for battery life to decrease, and for the battery to exhibit shorter runtime between charges or require more frequent or longer charging times.

Important: Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

DON'Ts

- **Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.**
- **Don't let the phone or battery come in contact with water.** Water can get into the phone's circuits, leading to corrosion. If the phone and/or battery get wet, have them checked by your carrier or contact Motorola, even if they appear to be working properly.
- **Don't allow the battery to touch metal objects.** If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.
- **Don't place your battery near a heat source.** Excessive heat can damage the phone or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
- Do **not** dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
- Avoid leaving your phone in your car in high temperatures.

DOs

- **Do avoid dropping the battery or phone.** Dropping these items, especially on a hard surface, can potentially cause damage.
- **Do contact your service provider or Motorola if your phone or battery has been damaged from dropping or high temperatures.**

Important: Use Motorola Original products for quality assurance and safeguards. To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit

batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. Consumers should confirm that any battery they purchase has a "Motorola Original" hologram.

Motorola recommends you always use Motorola-branded batteries and chargers. Motorola mobile devices are designed to work with Motorola batteries. If you see a message on your display such as **Invalid Battery** or **Unable to Charge**, take the following steps:

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;
- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and retry charging it;
- If the message remains, contact a Motorola authorized service center.

Important: Motorola's warranty does not cover damage to the phone caused by non-Motorola batteries and/or chargers.

Warning: Use of a non-Motorola battery or charger may present a risk of fire, explosion, leakage, or other hazard.

Proper and safe battery disposal and recycling: Proper battery disposal is not only important for safety, it benefits the environment. Consumers may recycle their used batteries in many retail or service provider locations. Additional information on proper disposal and recycling may be found on the Web:

- **www.motorola.com/recycling**
- **www.rbrc.org/call2recycle/** (in English only)

Disposal: Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling center or national recycling organizations for more information on how to dispose of batteries.

Warning: Never dispose of batteries in a fire because they may explode.

Battery Charging

Notes for charging your phone's battery:

- When charging your battery, keep it near room temperature. Never expose batteries to temperatures below 0°C (32°F) or above 45°C (113°F) when charging.
- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

Specific Absorption Rate

Your model wireless phone meets the governmental requirements for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured to not exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed for the safety of all persons, regardless of age or health, and to account for any variations in measurements.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 watts per kilogram (W/kg), averaged over one gram of tissue. Tests for SAR are conducted using procedures accepted by the FCC and by Industry Canada with the mobile device transmitting at its highest certified power level in all tested frequencies. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be below the maximum value. This is because the mobile device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a mobile device is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) submitted to the FCC and available for review by Industry Canada. The highest SAR value for this mobile device when tested for use at the ear is 0.45 W/kg, and when worn on the body, as described in this guide, is 0.63 W/kg. Body-worn measurements can differ, depending upon available accessories and regulatory requirements. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

While there may be differences between the SAR levels of various mobile devices and at various positions, they meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on SAR can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

http://www.phonefacts.net

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

http://www.cwta.ca

AGPS and Emergency Calls

When you make an emergency call, your mobile device can use *Assisted Global Positioning System* (AGPS) satellite signals to tell the emergency response center your approximate location.

The AGPS feature has limitations, so always tell the emergency response center your best knowledge of your location. Remain on the phone for as long as the emergency response center instructs you.

AGPS **might not work** for emergency calls, if your local emergency response center does not process AGPS location information. For details, contact your local authorities.

If your mobile device cannot find strong AGPS satellite signals, the location of the nearest cell tower in contact with your mobile device is automatically provided to the emergency response center.

AGPS Performance Tips

- Go outside and away from underground locations, covered vehicles, structures with metal or concrete roofs, tall buildings, and foliage. Indoor performance might improve if you move closer to windows, but some window sun shielding films can block satellite signals.
- Move away from radios, entertainment equipment, and other electronic devices that might interfere with or block AGPS satellite signals.

AGPS uses satellites controlled by the U.S. government and subject to changes implemented in accordance with the Department of Defense AGPS user policy and the Federal Radio Navigation Plan. These changes might affect AGPS performance.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Note: FOR IDEN SUBSCRIBER PRODUCTS, ACCESSORIES AND SOFTWARE PURCHASED IN THE UNITED STATES OR CANADA

Subject to the exclusions contained below, Motorola, Inc. warrants its Motorola iDEN Digital Mobile and Portable Handsets ("Products"), Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-Roms or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. **This limited warranty is a consumer's exclusive remedy, and applies as follows to new Products, Accessories and Software purchased by**

consumers in the United States or Canada, which are accompanied by this written warranty:

Products Covered	Length of Coverage
Products as defined above.	**One (1) year** from the date of purchase by the first consumer purchaser of the product.
Accessories as defined above.	**One (1) year** from the date of purchase by the first consumer purchaser of the product.
Products or Accessories that are Repaired or Replaced.	**The balance of the original warranty or for ninety (90) days** from the date returned to the consumer, whichever is longer.
Software as defined above. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	**Ninety (90) days from the date of purchase.**

What is not covered? (Exclusions)

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Ornamental Decorations. Ornamental decorations such as emblems, graphics, rhinestones, jewels, gemstones and their settings, and other decorative elements, are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, including without limitation, software changes, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, antennas, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products, Accessories or Software is excluded from coverage.

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty.

Who is covered? This warranty extends only to the first consumer purchaser, and is not transferable.

What will Motorola Do? Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information? To obtain service or information, please call:

Motorola iDEN Customer Services 1-800-453-0920 or 954-723-4910

TTY-877-483-2840

Or visit us online at http://www.motorola.com/iden

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

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MOTOROLA will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a patent, and Motorola will pay those costs and damages finally awarded against the end user purchaser in any such suit which are attributable to any such claim, but such defense and payments are conditioned on the following:

- That MOTOROLA will be notified promptly in writing by such purchaser of any notice of such claim;
- That MOTOROLA will have sole control of the defense of such suit and all negotiations for its settlement or compromise; and
- Should the Product or parts become, or in MOTOROLA'S opinion be likely to become, the subject of a claim of infringement of a patent, that such purchaser will permit MOTOROLA, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA.

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Hearing Aid Compatibility With Mobile Phones

Some Motorola phones are measured for compatibility with hearing aids. If the box for your particular model has "Rated for Hearing Aids" printed on it, the following explanation applies.

When some mobile phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device's telecoil ("T Switch" or "Telephone Switch") than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health

professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

Information From the World Health Organization

Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF exposure by limiting the length of calls or by using hands-free devices to keep mobile phones away from your head and body.

Source: WHO Fact Sheet 193

Further information: **http://www.who.int./peh-emf**.

Product Registration

Online Product Registration:

www.motorola.com/us/productregistration

Product registration is an important step toward enjoying your new Motorola product. Registering permits us to contact you for product or software updates and allows you to subscribe to updates on new products or special promotions. Registration is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

Wireless: The New Recyclable

Your wireless phone can be recycled. Recycling your phone reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their phones and have taken steps to promote the collection and environmentally sound recycling of end-of-life devices.

As a phone user, you have an important role in ensuring that this device is recycled properly. When it comes time to give this phone up or trade it in for a new one, please remember that the phone, the charger, and many of its accessories can be recycled. It's easy. To learn more about CTIA's Recycling Program for Used Wireless Devices, please visit us at:
http://recycling.motorola.young-america.com/ index.html

California Perchlorate Label

Some mobile phones use an internal, permanent backup battery on the printed circuit board that may contain very small amounts of perchlorate. In such cases, California law requires the following label:

Perchlorate Material - special handling may apply. See **www.dtsc.ca.gov/hazardouswaste/perchlorate**.

There is no special handling required by consumers.

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T9® Text Input Patent and Trademark Information.

This product is covered by U.S. Pat. 5,818,437, U.S. Pat. 5,953,541, U.S. Pat. 6,011,554 and other patents pending.

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Privacy and Data Security

Motorola understands that privacy and data security are important to everyone. Because some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

- **Monitor access**—Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.
- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.

- **Erase before recycling—**Delete personal information or data from your mobile device prior to disposing of it or turning it in for recycling. For instructions on how to delete all personal information from your device, please contact your local service provider.
- **Understanding AGPS—**To provide location information for emergency calls, certain Motorola mobile devices incorporate Assisted Global Positioning System (AGPS) technology. AGPS technology also can be used in non-emergency applications to track and monitor a user's location—for example, to provide driving directions. Users who prefer not to permit such tracking and monitoring should avoid using such applications.

If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at **privacy@motorola.com**, or contact your service provider.

Smart Practices While Driving

Drive Safe, Call Smart SM

Check the laws and regulations on the use of phones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas—for example handsfree use only. Go to www.motorola.com/callsmart (in English only) for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your phone while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your phone with one of the many Motorola Original handsfree accessories available today.



TM

- **Position your mobile device within easy reach.** Be able to access your phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- **Do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility, driving safely.

- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.
- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies (wherever wireless phone service is available).
- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number (wherever wireless phone service is available), as you would want others to do for you.
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number (wherever wireless phone service is available).

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